

THE HIRED FARM WORKING FORCE OF 1979, by Susan L. Pollack, Economic Development Division, Economic Research Service, U.S. Department of Agriculture. Agricultural Economic Report No. 473.

ABSTRACT

In 1979, approximately 2.7 million individuals 14 years old and older did farmwork for cash wages and salary. Three-fourths of these workers were White, 12 percent were Hispanic, and 13 percent were Black and Other. Most farmworkers were male (78 percent) and young (57 percent were less than 25 years old). Farmworkers most frequently resided in the South (40 percent) and North Central Regions (30 percent); and most lived at non-farm residences (83 percent). The annual average income in 1979 was \$4,185, of which \$2,444 was earned from working an average of 102 days at farmwork. The remainder of this income came from nonfarm work. Migrant workers accounted for 8 percent (217,000 persons) of the total hired farm work force.

Keywords: Hired farmworker, Age, Sex, Racial/ethnic group, Migrants, Earnings, Employment, Education, Census, Standard Federal Region.

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NOTE

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HIGHLIGHTS

In 1979, about 2.7 million persons 14 years and over did hired farmwork, according to the Hired Farm Working Force Survey conducted by the Bureau of the Census, U.S. Department of Commerce, for the Economics and Statistics Service of the U.S. Department of Agriculture. The majority of workers were under 25 years old (57 percent), White (75 percent), and male (78 percent). Hispanics comprised 12 percent of the work force and Blacks and Others comprised 13 percent. The median level of education for all hired farmworkers was 10.4 years.

The majority of farmworkers (71 percent) worked less than 150 days at farmwork. Regular and year-round workers (those who worked 150 days or more) made up only 29 percent (758,000 persons) of the work force but contributed 73 percent of the person-days worked.

Average annual earnings for hired farmworkers in 1979 were \$4,185. Farmworkers averaged 102 days at farmwork for \$23.97 per day, for total average annual farm earnings of \$2,444. The remaining income came from nonfarm work.

About one-quarter of the farmworkers were located in the Southeast Standard Federal Region at the time of the December 1979 survey. Farmworkers were also concentrated in the North Central (18 percent), the Southwest (15 percent), and the Lower Pacific Coast (14 percent) Regions.

About 8 percent of the hired farmworkers (217,000 persons) did migrant labor in 1979. Minorities comprised a larger proportion of the migrant work force (37 percent) than of the total hired farm work force (25 percent). One-third of the migrants traveled at least 500 miles away from home to do farmwork. Hispanics traveled longer distances than other migrant workers; 67 percent traveled 500 miles or more to do farmwork. The average annual earnings for migrants were \$4,852 in 1979, including \$2,277 from farmwork.

The Hired Farm Working Force of 1979

Susan L. Pollack

Agricultural Economist

INTRODUCTION

In 1979, there were 2.7 million persons 14 years of age and over who did farmwork for cash wages or salary at some time during the year. The number of hired farmworkers has remained relatively stable over the past decade after the long-term downward trend of previous years (table 1). While farm operators and their families continue to account for the major share of labor used in agriculture, hired farmworkers have gradually replaced family workers on farms over the past three decades. ^{1/} The number of hired farmworkers has stabilized, but these workers appear to be providing a larger share of labor used in agriculture.

This report presents data on the demographic, social, and economic characteristics of persons 14 years of age and over who did hired farmwork for at least 1 day during 1979. ^{2/} The narrative describes the hired farm working force and focuses on the characteristics of various racial/ethnic, regional, and migratory groups of farmworkers. The report also summarizes some of the more important changes and trends over the last decade in the size, composition, and employment patterns of the hired farm working force. Additional statistical data are presented in appendix tables.

Data in this report are from the Hired Farm Working Force Household Survey conducted for the Economics and Statistics Service, U.S. Department of Agriculture by the Bureau of the Census, U.S. Department of Commerce. ^{3/} The survey sample of households includes each State and the District of Columbia, but excludes

^{1/} Smith, Leslie Whitener, and Robert Coltrane, Agricultural Labor Needs in the Eighties, Econ. Res. Serv., U.S. Dept. Agr., Wash., D.C., Forthcoming report.

^{2/} Data for earlier years are available in The Hired Farm Working Force of 1977, AER-437, Econ., Stat., Coop. Serv., U.S. Dept. Agr., Oct. 1979, and previous issues.

^{3/} Beginning in 1977, the Hired Farm Working Force Survey has been conducted biennially in December as a supplement to the Current Population Survey (CPS).

Table 1--Hired farmworkers, by duration of farmwork, 1945-79

Year	Total	Days of hired farmwork during the year <u>1/</u>					250 or more
		Less than 25	25-74	75-149	150-249		
<u>Thousands</u>							
1945	3,212	1,247	825	339	262	539	
1946	2,770	817	749	340	312	552	
1947	3,394	1,179	771	411	418	615	
1948	3,752	1,250	904	597	381	620	
1949	4,140	1,630	1,017	526	396	571	
1950	4,342	--	--	--	--	--	
1951	3,274	1,118	925	379	301	551	
1952	2,980	1,008	928	324	296	424	
1953 <u>2/</u>							
1954	3,009	1,101	756	318	364	470	
1955 <u>2/</u>							
1956	3,575	1,497	920	410	305	443	
1957	3,962	1,762	1,044	501	256	399	
1958	4,212	1,893	--	--	--	--	
1959	3,577	1,412	863	502	348	452	
1960	3,693	1,531	868	465	390	438	
1961	3,488	1,600	849	354	281	404	
1962	3,622	1,555	933	408	284	442	
1963	3,597	1,735	771	392	309	390	
1964	3,370	1,369	924	413	326	338	
1965	3,128	1,264	807	397	282	379	
1966	2,763	1,130	717	339	211	367	
1967	3,078	1,338	738	327	277	397	
1968	2,919	1,299	731	308	256	324	
1969	2,571	1,106	718	258	189	301	
1970	2,488	1,093	623	293	172	306	
1971	2,550	1,191	648	213	213	285	
1972	2,809	1,130	663	361	288	367	
1973	2,671	1,085	567	351	247	421	
1974	2,737	1,169	619	308	274	367	
1975	2,638	1,180	556	319	228	355	
1976	2,767	1,145	652	347	290	333	
1977	2,730	1,056	667	322	295	391	
1978 <u>2/</u>							
1979	2,652	898	672	323	335	423	

Dashes indicate data not available.

1/ For 1959 and succeeding years, data are rounded to nearest thousand and may not add to total.2/ No survey conducted.

Puerto Rico and other U.S. territories and possessions. In 1979, approximately 68,200 households were interviewed for the sample; 1,536 contained individuals who did hired farmwork in 1979. Information obtained from this sample of households was expanded to provide estimates of the total hired farmworker population.

The CPS is a probability sample survey and standard errors can be derived for the estimates. Statements of comparison appearing in the narrative of this report but not necessarily in the tables or figures are based on data significant at the 95-percent confidence level (2 standard errors) or higher unless otherwise indicated. Additional information on the source and reliability of the survey estimates is provided in the Appendix.

The sample size of the CPS was increased from 54,000 interviewed households in 1977 to 68,200 in 1979. This decreased the relative size of the standard errors, strengthening the degree of confidence that can be placed in the accuracy of the estimates. The standard errors of data for earlier years may be found in The Hired Farm Working Force reports published in those years.

The statistical tables in the Appendix are organized as follows: Appendix tables 1 through 6 present a general overview of the social, economic, regional location, and employment characteristics of hired farmworkers by sex, racial/ethnic group, and duration of farmwork. Appendix tables 7 through 12 contain earnings data by demographic, employment, and regional characteristics. Within these tables, data are provided separately for all workers, workers employed solely in hired farmwork during the year, and workers who also did hired nonfarm work. Appendix tables 13 through 16 contain information on daily and annual earnings from total, farm, and nonfarm employment sources. Appendix table 17 presents data on migrant farmworkers by distances they traveled to do farmwork. Appendix tables 18 through 22 present standard error estimates. The Appendix concludes with definitions of terms used in this report.

HIRED FARMWORKERS ARE DIVERSE

Although the 1979 hired farm working force was comprised of workers of various ages and racial/ethnic groups, it was predominantly young, White and male. More workers resided in the South and North Central Regions than any other, and the majority did not live on farms. Hired farmworkers had lower educational levels than the total population and the majority of workers were not heads of households. More specific characteristics of the hired farm working force were as follows:

--75 percent of all hired farmworkers were White, 12 percent were Hispanic and 13 percent were Black and Other

HIRED FARMWORKERS ARE DIVERSE

- (the proportions of Hispanics and Blacks and Others were not significantly different).
- 22 percent of all hired farmworkers were female.
 - 44 percent did not continue schooling past the eighth grade.
 - 57 percent were less than 25 years old; one-fourth were between 14 and 17 years.
 - The median age for all farmworkers in 1979 was 23.4 years.
 - 83 percent lived at nonfarm residences at the time of the survey.
 - 40 percent resided in the South, and 30 percent in the North Central Region.
 - 42 percent of all farmworkers were heads of households.

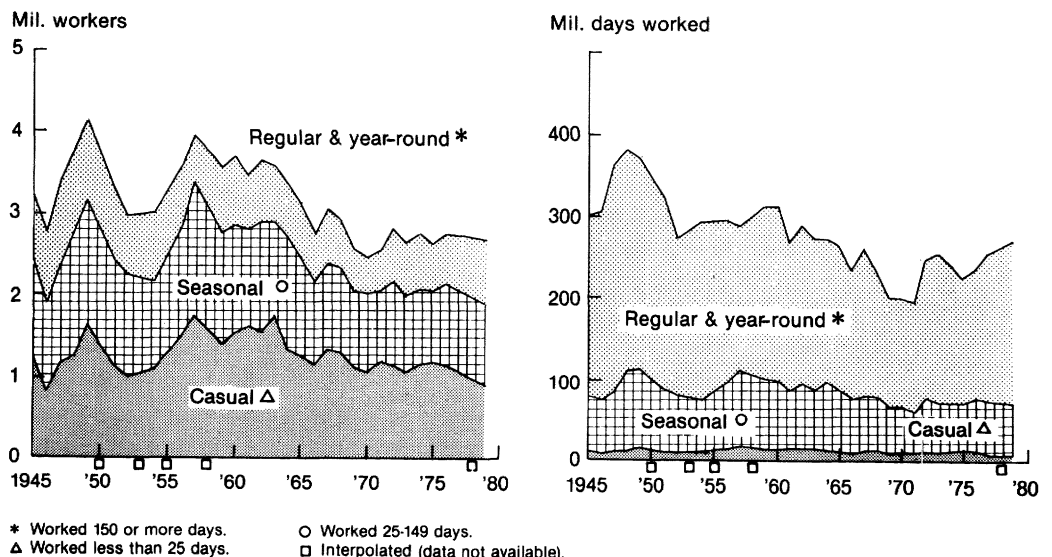
Employment

Casual workers (who work less than 25 days per year on farms) and seasonal workers (25-149 days) comprised 71 percent of all farmworkers in 1979, but accounted for only 27 percent of all person-days worked that year (fig. 1). ^{4/} Many casual and

^{4/} A person completing at least 1 hour of farmwork during the day is credited with a person-day of work.

Figure 1

Hired Farmworkers and Person-Days Worked



seasonal workers are students and housewives who work only a few weeks a year during harvest or other peak labor-demand periods. Others have nonfarm jobs and do farmwork to supplement their income. Regular workers (150-249 days of farmwork) and year-round workers (250 or more days) made up only 29 percent of all farmworkers but performed 73 percent of all person-days worked.

Only about half of the hired farmworkers have a strong attachment to the labor force. In 1979, 53 percent said that they were in the labor force most of the year either working or looking for work. Nearly 30 percent listed hired farmwork as their primary activity, while 19 percent said their primary employment was in the nonfarm sector (table 2).

Nearly half (47 percent) of the hired farmworkers were primarily engaged in nonlabor market functions. For example, about one-third of all workers were students most of the year.

Earnings

Earnings of hired farmworkers are among the lowest of all occupational groups in the Nation, but there are significant differences among farmworkers. In 1979, hired farmworkers' earnings averaged only \$4,185 from both farm and nonfarm employment, compared to an average of \$14,378 for all wage and salary workers in the United States. ^{5/} About 42 percent of all hired farmworkers had income from a nonfarm job in 1979. Thus, \$2 of each \$5 earned by farmworkers from all sources were from nonfarm employment. Nevertheless, over half of all workers were employed solely in hired farmwork during the year and had no other source of earnings; they averaged \$3,212 for 132 days of farmwork. The group of workers who also did some nonfarm work during the year earned an average of \$1,408 for 60 days of farmwork and \$4,093 for 134 days of nonfarm work.

Farm earnings varied significantly among farmworkers by duration of farmwork. Specifically:

--Casual workers (34 percent of all farmworkers) earned an average of \$180 annually for 9 days of farmwork.

--Seasonal workers working from 25 to 74 days on farms (25 percent of all workers) earned \$993 annually for 45 days of farmwork. Seasonal workers working 75 to 149 days (12 percent of all workers) earned \$2,303 annually for 104 days of farmwork.

^{5/} Earnings of all wage and salary workers in the United States are from the Department of Commerce, Bureau of Economic Analysis, unpublished information. All dollar earnings reported exclude the value of perquisites or fringe benefits furnished by the employer.

Table 2--Hired farmworkers: Average annual earnings by primary employment status, 1979 ^{1/}

Primary employment status ^{2/}	Total				From farmwork only		From both farm and nonfarm work		
	Workers		Total	Annual	Annual		Total	Annual	
	Number	Distribution	annual	farm	Workers	farm	Workers	annual	farm
	:	:	earnings	earnings	:	earnings	:	earnings	earnings
	Thousands	Percent	--Dollars--	Thousands	Dollars	Thousands	--Dollars--		
In labor force	1,393	53	6,602	3,789	732	5,573	661	7,740	1,813
Hired farmwork	759	29	6,089	5,843	656	6,042	103	6,388	4,579
Other farmwork ^{3/}	90	3	3,406	1,879	54	1,580	36	4/	4/
Nonfarm work	496	19	8,348	1,210	--	--	496	8,348	1,210
Unemployed	48	2	4/	4/	22	4/	26	4/	4/
Not in labor force	1,259	47	1,510	956	792	1,029	467	2,327	834
Keeping house	176	7	1,215	890	139	896	37	4/	4/
Attending school	956	36	1,434	839	558	917	397	2,162	729
Other	127	5	2,484	1,935	95	1,883	32	4/	4/
All hired farm-									
workers	2,652	100	4,185	2,444	1,524	3,212	1,128	5,501	1,408
Migrants	217	8	4,852	2,277	98	3,258	120	6,155	1,476

Dashes indicate not applicable.

^{1/} Numbers may not add to totals due to rounding.^{2/} Refers to respondent's major or chief activity during the year. See Appendix.^{3/} Includes operating a farm and unpaid family labor.^{4/} Averages not shown where base is less than 50,000 workers.

CHARACTERISTICS OF HIRED FARMWORKERS VARY BY RACIAL/ETHNIC GROUPS

--Regular workers (13 percent of all workers) earned \$4,995 annually for 200 days of farmwork.

--Year-round workers (16 percent of all workers) earned \$7,646 for 310 days of work.

The annual earnings of farmworkers also varied by their primary employment status (table 2). Persons citing nonfarm work as their primary activity earned the most--\$8,348, with about 15 percent (\$1,210) from farmwork. Those citing hired farmwork as their primary activity earned less--\$6,089 with almost 96 percent from farm employment. Persons engaged in nonlabor force activities most of the year received the lowest total and farm earnings of any group, averaging \$1,510, with 63 percent (\$956) from farmwork.

CHARACTERISTICS OF HIRED FARMWORKERS VARY BY RACIAL/ ETHNIC GROUPS

In 1979, 75 percent of all hired farmworkers were White; 12 percent were Hispanic and 13 percent were Black and Other. While the largest proportion of each group was male, females accounted for a relatively larger share of minority workers. About 31 percent of Hispanics and 28 percent of Blacks and Others were females, compared with only 19 percent of White workers (the proportion of Hispanic females did not differ significantly from that of Blacks and Others).

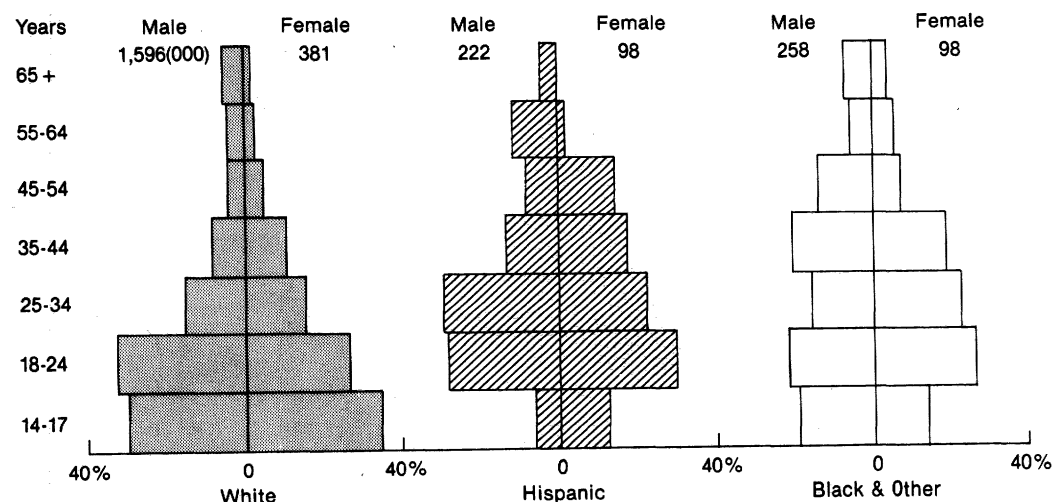
Age

In general, minority farmworkers were older than Whites. White farmworkers had a median age of 22.1 years, compared to 29.9 years for Hispanics and 31.1 years for Blacks and Others. The age and sex pyramids shown in figure 2 indicate that the major-

Figure 2

Hired Farmworkers, 1979

By Age, Sex, and Racial/Ethnic Group



See Appendix C for definitions of racial/ethnic categories.

CHARACTERISTICS OF HIRED FARMWORKERS
VARY BY RACIAL/ETHNIC GROUPS

ity of Whites (63 percent) were between the ages of 14 and 24 years. In contrast, the majority of Hispanics and Blacks and Others were 25 years and over. These data suggest that as White farmworkers become older, they tend to move out of farmwork into other types of activities. For many Whites, farmwork is only an entry-level job into the labor force or a supplemental source of earnings. Minority workers, however, are more heavily concentrated in the older age categories, suggesting, perhaps, more limited access to other types of employment.

Education

Hired farmworkers in general have lower educational levels than most other occupational groups. In 1979, hired workers 25 years of age and older had a median educational level of 10.4 years compared to 12.5 years for the U.S. population 25 years of age and over (table 3). ^{6/} However, farmworkers' education varies by racial/ethnic group. Hispanic farmworkers had a median education of only 5.4 years, while Blacks and Others had only 7.7

Table 3--Years of school completed by hired farmworkers 25 years of age and over, by racial/ethnic groups, 1979

Education	Unit	Whites	Hispanics	Blacks and Others	Total
Number of workers	Thousands	726	202	214	1,142
Years of schooling completed:					
0-4	Percent	5	46	23	16
5-8	do.	22	36	41	28
9-11	do.	13	8	21	14
12	do.	32	5	13	24
13 or more	do.	27	5	3	19
Total ^{1/}	do.	100	100	100	100
Median	Years	12.3	5.4	7.7	10.4

^{1/} Percentages may not add to totals due to rounding.

^{6/} Education data for the U.S. population are from Current Population Reports, Educational Attainment in the United States: March 1979 and 1978, Series P-20, No. 356, Bur. of the Census, U.S. Dept. of Comm., 1980.

CHARACTERISTICS OF HIRED FARMWORKERS
VARY BY RACIAL/ETHNIC GROUPS

Employment and
Earnings

years of schooling. In comparison, Whites had a median of 12.3 years of schooling. Only 10 percent of the Hispanics and 16 percent of Blacks and Others had completed high school compared to 59 percent of the White farmworkers.

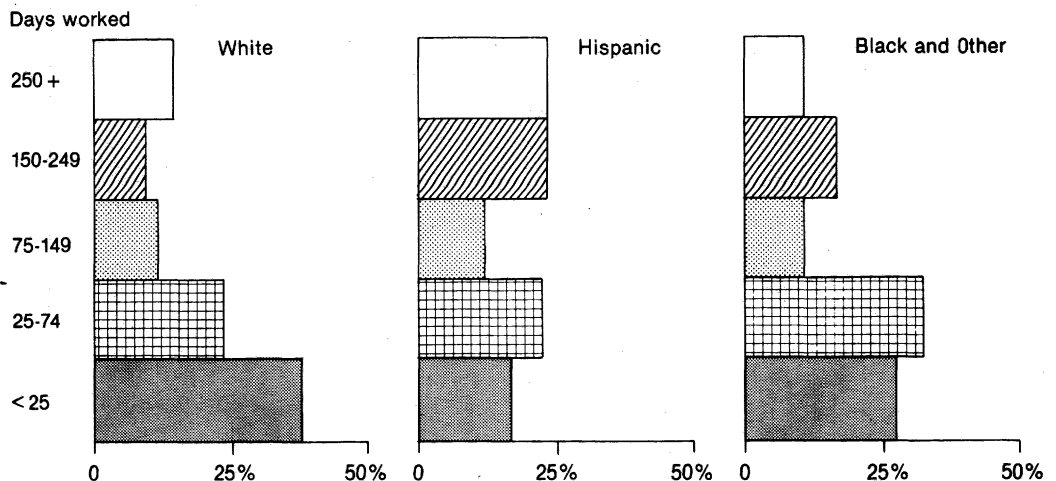
Minority groups accounted for only a relatively small proportion of hired farmworkers in 1979, but minority workers, especially Hispanics, appeared to have stronger ties to agricultural work than Whites. About 58 percent of Hispanics and 44 percent of Blacks and Others cited hired farmwork as their principal activity compared with only 21 percent of Whites. Half of the White farmworkers were out of the labor force most of the year--attending school, keeping house, or doing some other non-labor force activity--compared with only 24 percent of the Hispanics and 41 percent of the Blacks and Others. In addition, 73 percent of the Hispanics and 75 percent of the Blacks and Others cited hired farmwork as their only employment during the year, compared with 52 percent of the White farmworkers.

Generally, Hispanic farmworkers were employed in agriculture for longer periods during the year than Whites and Blacks and Others. About 48 percent of the Hispanics were employed on a regular or year-round basis (150 days or more), compared with only 28 percent of the Blacks and Others and 25 percent of the Whites (fig. 3). The majority of Whites and Blacks and Others did

Figure 3

Hired Farmworkers, 1979

By Days of Farmwork and Racial/Ethnic Groups



See Appendix C for definitions of racial/ethnic categories.

NUMBERS AND CHARACTERISTICS OF WORKERS VARY BY REGION

hired farmwork for less than 75 days.

In addition, Hispanics received higher average annual earnings from farmwork than other racial/ethnic groups:

- Hispanic farmworkers received an average of \$4,006 in annual earnings from 144 days of farmwork at \$27.90 per day.
- White farmworkers received an average \$2,215 annually for 96 days of farmwork at \$23.04 per day.
- Black and Other farmworkers earned \$2,314 in average annual earnings from 97 days of farmwork at \$23.89 per day.

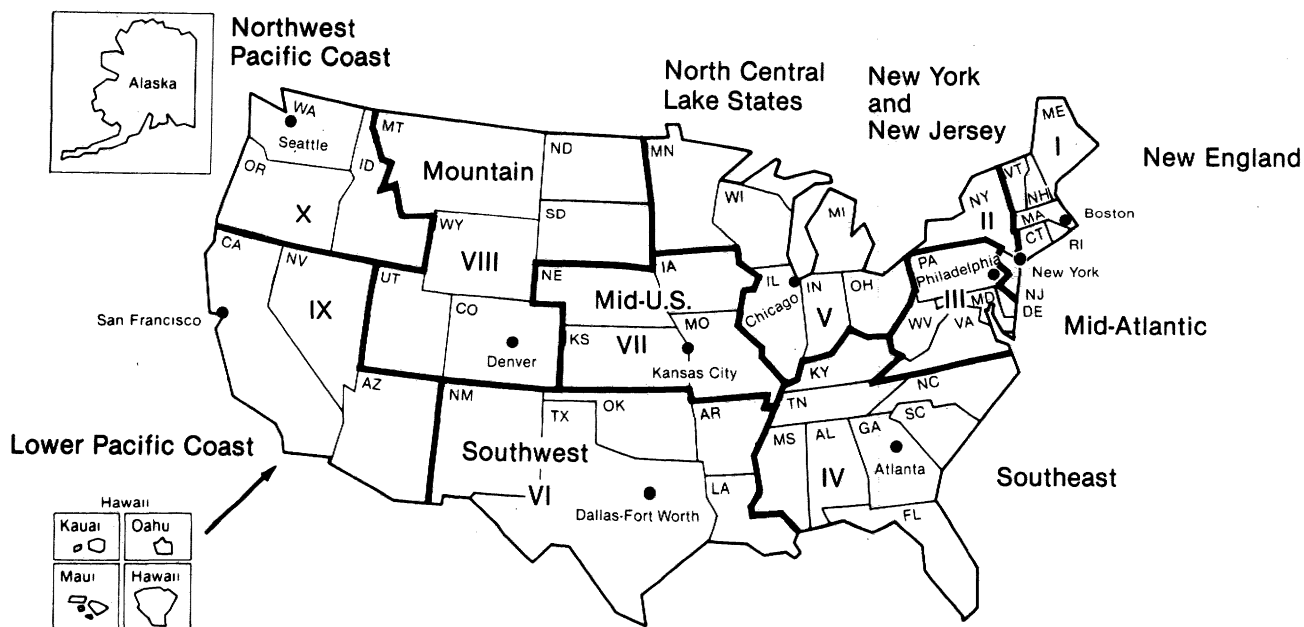
Average days worked and earnings of Whites did not differ significantly from those for Blacks and Others.

NUMBERS AND CHARACTERISTICS OF WORKERS VARY BY REGION

The numbers and characteristics of hired farmworkers varied considerably by the 10 Standard Federal Regions shown in figure 4. In general, variations in the number of workers appear to depend primarily on the predominant types of farming and the length of the growing and harvesting seasons in a region.

Figure 4

Standard Federal Regions



NUMBERS AND CHARACTERISTICS OF
WORKERS VARY BY REGION

At the time of the survey in December 1979, nearly a fourth of all hired farmworker were located in the Southeast (Region IV) (table 4). This region produces a large proportion of the Nation's fruit, nut, and vegetable crops, which are labor-intensive and require a large number of workers for production and harvesting. The North Central Lake States (V) had the second largest concentration of workers (18 percent), followed by the Southwest (VI) (15 percent) and the Lower Pacific Coast (IX) (14 percent).

Racial/Ethnic
Groups

The majority of farmworkers in all regions except the Lower Pacific Coast (IX) were White, but the proportions of Hispanic and

Table 4--Number and distribution of hired farmworkers, by racial/ethnic groups and Standard Federal Regions, 1979 ^{1/}

Standard Federal Region	All hired farmworkers					Migrant ^{2/} farmworkers	
	Total		Distribution within region by racial/ethnic group			Number	Percent
	Number	Percent	Whites	Hispanics	Blacks and Others		
	Thou- sands	Percent	Thou- sands	Percent	Thou- sands	Percent	
I-New England	65	2	100	--	--	1	--
II-New York and New Jersey	85	3	86	2	12	8	4
III-Mid-Atlantic	118	4	92	--	8	9	4
IV-Southeast	608	23	66	--	34	28	13
V-North Central Lake States	488	18	98	--	2	33	15
VI-Southwest	403	15	59	27	14	53	24
VII-Mid-U.S.	261	10	97	--	2	20	9
VIII-Mountain	107	4	89	7	4	15	7
IX-Lower Pacific Coast	364	14	33	53	15	39	18
X-Northwest Pacific Coast	152	6	96	3	1	11	5
U.S.	2,652	100	75	12	13	217	100

Dashes indicate not applicable.

^{1/} Numbers and percentages may not add to totals due to rounding.

^{2/} The regional distribution of migrant workers primarily reflects home-base location rather than place of work, since the survey was taken in December.

NUMBERS AND CHARACTERISTICS OF
WORKERS VARY BY REGION

Black and Other farmworkers varied from region to region. In the Lower Pacific Coast (IX), 53 percent of the farmworkers were Hispanic, 33 percent were White, and 15 percent were Black and Other. Hispanics also comprised a relatively large proportion (27 percent) of the workers in the Southwest (VI). Blacks and Others comprised over a third of the work force in the Southeast (IV).

Days of Farmwork

Farmworkers in the North Central Lake States (V), Mid-U.S. (VII), and Northwest Pacific Coast (X) Regions were more likely to be casual farmworkers (working less than 25 days) than workers in other regions. In contrast, workers in the Lower Pacific Coast (IX) were more likely to be regular or year-round workers (working 150 days or more) (table 5).

Table 5--Distribution of hired farmworkers by days of farmwork and Standard Federal Regions, 1979

Standard Federal Region	Total 1/	Distribution by days of farmwork			
		Casual	Seasonal	Regular and year-	
		workers	workers	round workers	
		Fewer than: 25	25-74	75-149	150 or more
	Thou- sands	Percent			
I-New England	65	34	25	14	28
II-New York and New Jersey	85	29	28	12	31
III-Mid-Atlan- tic	118	22	26	22	31
IV-Southeast	608	29	32	12	28
V-North Central: Lake States	488	44	21	10	24
VI-Southwest	403	32	26	13	29
VII-Mid-U.S.	261	43	25	10	22
VIII-Mountain	107	36	23	10	32
IX-Lower Pacif- ic Coast	364	24	21	14	41
X-Northwest Pacific Coast	152	44	23	8	25
U.S.	2,652	34	25	12	29

1/ Numbers and percentages may not add to totals due to rounding.

CHARACTERISTICS OF MIGRANT FARMWORKERS
DIFFER FROM NONMIGRANT WORKERS

Crop and Livestock
Activity

In 1979, almost half of all hired farmworkers indicated that they worked the greatest number of days in field crops including grains, cotton, and tobacco (table 6). Another 20 percent spent most of their time in the production and harvesting of fruits, vegetables, and nuts. Livestock and dairy activities accounted for an additional 17 percent. (The percentages of workers involved in fruits, nuts, and vegetables and livestock and dairy activities did not differ significantly.) However, the type of crop or livestock activity workers were in varied by racial/ethnic group. Whites and Blacks and Others were more likely to be involved in field crop production while the majority of Hispanic farmworkers were engaged in fruit, vegetable, and nut production.

About 58 percent of the Hispanics, 13 percent of the Whites, and 26 percent of the Blacks and Others were involved with fruits, nuts, and vegetables for the greatest number of days during the year.

CHARACTERISTICS OF
MIGRANT FARMWORKERS
DIFFER FROM NON-
MIGRANT WORKERS

A migrant farmworker is an individual who travels across county or State boundaries and stays overnight to do farmwork for cash wages or salary. In 1979, 217,000 individuals met these criteria, constituting 8 percent of the total hired farm working force. This proportion did not change significantly during the seventies, but was lower than the 10 to 14 percent range of the sixties.

Composition,
Residence, and
Employment

As a group, migrant workers differ from other hired farmworkers in some important ways. Migrants are more likely to be members of minority groups than nonmigrants. In 1979, about 63 percent of all migrants were White, 27 percent were Hispanic, and 11 percent were Black and Other. In contrast, nonmigrant workers were 76 percent White, 11 percent Hispanic, and 13 percent Black and Other. Also, region of residence differed between migrants and nonmigrants. About 42 percent of all migrants resided in the Southeast (VI) and the Lower Pacific Coast (IX); these areas are traditionally considered to be home base for many migrants. In comparison, only 29 percent of the nonmigrant farmworkers lived in these regions. Other differences included:

--Migrants received average annual farm earnings of \$2,277 for 87 days of farmwork; nonmigrants earned an average of \$2,459 for 103 days of farmwork.

--Migrants were more likely to combine nonfarm work with farmwork. About 55 percent did both farm and nonfarm work compared with only 41 percent of the nonmigrants. Annual earnings from farm and nonfarm work combined were \$4,852 for migrants and \$4,126 for nonmigrants.

Table 6--Number and distribution of all hired farmworkers by crop or livestock activity,
and by racial/ethnic groups, 1979

Type of agriculture	Whites		Hispanics		Blacks and Others		Total ^{1/}	
	Number	Distribution	Number	Distribution	Number	Distribution	Number	Distribution
	Thousands	Percent	Thousands	Percent	Thousands	Percent	Thousands	Percent
Grain	500	25	23	7	29	8	552	21
Cotton	41	2	48	15	39	11	128	5
Tobacco	182	9	0	0	60	17	243	9
Other field crops	274	14	16	5	74	21	363	14
Vegetable	100	5	98	31	47	13	246	9
Fruits and nuts	151	8	86	27	47	13	284	11
Beef cattle	147	7	8	2	13	4	168	6
Dairy	165	8	3	1	4	1	172	6
Other livestock	113	6	6	2	7	2	125	5
Nursery	81	4	16	5	10	3	107	4
Other	87	4	8	2	5	1	100	4
Not reported	135	7	8	2	20	6	162	6
Total	1,976	100	320	100	355	100	2,652	100

^{1/} Numbers and percentages may not add to totals due to rounding.

CHARACTERISTICS OF MIGRANT FARMWORKERS
DIFFER FROM NONMIGRANT WORKERS

--Migrants appeared to be more economically dependent on nonfarm earnings than nonmigratory workers. Over half of their total earnings came from nonfarm work while only 40 percent of nonmigrants' total earnings came from nonfarm activities.

--The primary employment status of migrant workers was divided almost equally between hired farmwork (29 percent); nonfarm work (30 percent); and not in the labor force (38 percent). In contrast, nonmigrants were less likely to cite nonfarm work (19 percent) as their primary employment status.

In other basic characteristics, migrants were similar to nonmigrants:

- Nearly 55 percent were less than 25 years of age; 22 percent were between 14 and 17 years;
- 76 percent were males; and
- almost half were household heads.

Education

The proportion of migrant workers 25 years old and over completing high school was not significantly different from nonmigrants. More than one-third of each group did not continue their education beyond the eighth grade. However, migrants were more likely than nonmigrants to have continued in school after the twelfth grade; 33 percent of migrants and 18 percent of nonmigrants had completed 13 or more years of school (table 7).

Table 7--Years of school completed by migrant and nonmigrant workers 25 years of age and over, 1979

Education	Nonmigrants		Migrants	
	:		:	
	Number	Distribution	Number	Distribution
	Thousands	Percent	Thousands	Percent
Years of schooling completed:				
0-4	164	16	15	15
5-8	296	28	22	23
9-11	153	15	7	7
12	248	24	21	22
13 or more	184	18	32	33
Total 1/	1,045	100	97	100

1/ Percentages may not add to 100 due to rounding.

HIRED FARM WORK FORCE CHANGED
IN PAST DECADE

Distance Traveled

The distance traveled to do farmwork by migrants (including miles traveled from home to place of work but not travel to return home) varied by racial/ethnic group. Almost one-third of all migrants traveled 500 or more miles from their place of residence to do farmwork (table 8). Hispanics traveled the greatest distance to reach their place of employment. Whites, on the other hand, generally traveled much shorter distances. Sixty-seven percent of Hispanics but only 16 percent of Whites traveled 500 or more miles. (The number of Black and Other migrant workers in the sample was too small to permit conclusions on distance traveled).

Table 8--Migrant farmworkers by distance traveled and racial/ethnic group, 1979.

Distance traveled (miles)	:	All	:		:		:	Blacks	
	:	migrants	:	Whites	:	Hispanics	:	and	
	:		:		:		:	Others	
	:	Num-ber	:	Distri-bution	:	Num-ber	:	Distri-bution	:
	:	Thou.	:	Pct.	:	Thou.	:	Pct.	:
	:		:		:		:		:
Under 75	:	50	:	23	:	32	:	24	:
75-199	:	58	:	27	:	50	:	37	:
200-499	:	35	:	16	:	26	:	19	:
500-999	:	37	:	17	:	16	:	12	:
1,000-1,999	:	27	:	12	:	1	:	1	:
2,000 or more	:	4	:	2	:	4	:	3	:
Not reported	:	7	:	3	:	7	:	5	:
	:		:		:		:		:
Total <u>2/</u>	:	217	:	100	:	136	:	100	:
	:		:		:		:		:

Dashes indicate estimates less than 500.

1/ Percentages not shown where base is less than 50,000 workers.

2/ Numbers and percentages may not add to totals due to rounding.

HIRED FARM WORK
FORCE CHANGED IN
PAST DECADE

The hired farm working force has changed in several ways over the past decade (table 9). The total number of hired farmworkers decreased by only 5.8 percent between 1967-69 and 1977-79, but the rate of change was uneven between various groups of workers. Blacks and Others decreased by 40 percent, while the number of White farmworkers remained relatively stable. Comparable data for Hispanic farmworkers were not available.

Table 9--Number of hired farmworkers by race, age, sex, migratory status, farm-nonfarm work, and duration of farmwork, averages, 1967-69 and 1977-79

Item	3-year	2-year	Change:	Percentage	
	average	average ^{1/}		of total	
	1967-69	1977-79		1967-69	1977-79
	:	:		:	:
	---Thousands---			-----Percent-----	
Total ^{2/}	2,856	2,691	-5.8	100	100
Race: ^{3/}					
Whites	2,159	2,275	5.4	76	85
Blacks and					
Others	697	416	-40.3	24	15
Age (years):					
14-17	942	742	-21.2	33	28
18-24	568	776	36.6	20	29
25-34	352	467	32.7	12	17
35-44	307	263	-14.3	11	10
45-54	293	184	-37.2	10	7
55-64	258	145	-43.8	9	5
65 and over	135	117	-13.3	5	4
Region:					
Northeast	242	201	-16.9	8	7
North Central	587	758	29.1	21	28
South	1,279	1,111	-13.1	45	41
West	748	622	-16.8	26	23
Days of farmwork:					
Less than 25	1,248	977	-21.7	44	36
25-74	729	670	-8.1	26	25
75-149	298	323	8.4	10	12
150 and over	581	722	24.3	20	27
Migratory status:					
Migratory	271	204	-24.7	9	8
Nonmigratory	2,585	2,488	-3.8	91	92
Primary employment status:					
Nonfarm work	364	470	29.1	13	17
Farmwork	775	860	11.0	27	32

^{1/} A 2-year average for 1977 and 1979 was used because the hired farm working force survey became biennial after 1977. Data for 1978 are not available.

^{2/} Percentages and numbers may not add to totals due to rounding.

^{3/} Hispanic data were not available for hired farmworkers for all periods.

HIRED FARM WORK FORCE CHANGED IN PAST DECADE

Age distribution showed some change between the two time periods. Significant declines were seen in the 14-17, 45-54, and 55-64 age groups. (The percentage changes for the 35-44 and 65 and over age groups were not significant.) The 18-24 and 25-34 age groups, however, increased by 37 percent and 33 percent, respectively.

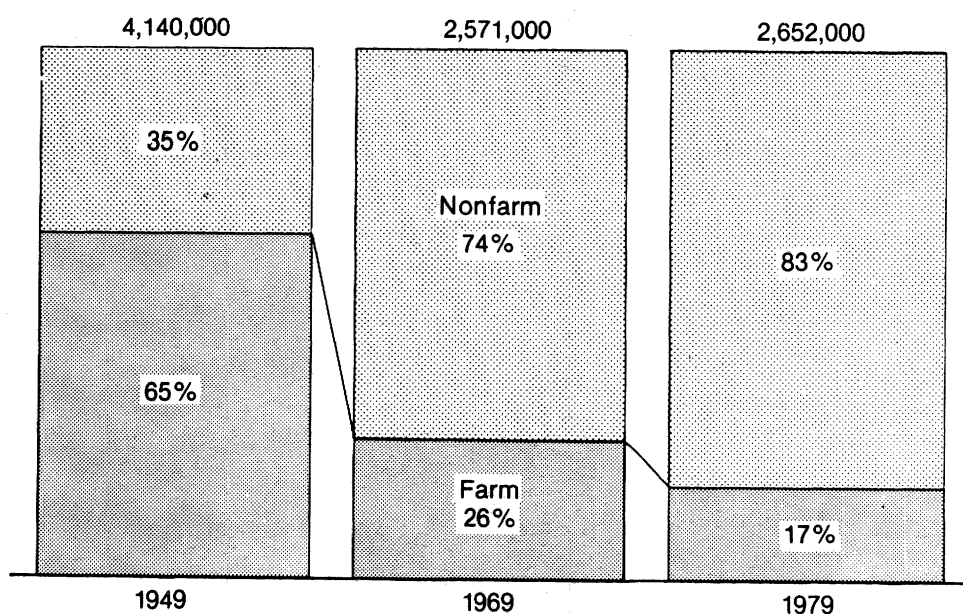
The South maintained the largest share of hired farmworkers in the country, despite a drop in the number of workers. However, the decrease was significant only at the 90-percent confidence level. Workers increased only in the North Central Region.

The seventies saw an increase in the average number of days worked on farms by hired farmworkers. The number of regular farmworkers increased by a fourth, while the number of casual workers decreased by 21 percent. (The numbers of regular and casual workers differed significantly for the two time periods at the 90-percent confidence level).

Since the late forties, the number of hired farmworkers living on farms has gradually, but consistently, declined. In 1949, 65 percent of all farmworkers lived on farms; by 1979, the percentage had declined to 17 percent (fig. 5). This trend has accom-

Figure 5

Hired Farmworkers By Residence



Residence of hired farmworkers in December of the reference years.

panied a gradual decrease in the number of farms and persons living on farms. In 1949, for example, there were 5.7 million farms and 24.4 million persons living on farms in the United States. By 1979, the number of farms had decreased to 2.4 million and the farm population had dropped to 7.6 million. ^{7/}

Since 1960, the migrant work force has decreased by almost half, (table 10). In 1965, after the termination of the Bracero Program ^{8/}, the number of migrant workers rose sharply to 466,000 as farmers replaced foreign labor with domestic workers. Between 1965 and 1970, the number of migrants declined steadily, but since 1970 the number has remained relatively stable at around 200,000. The distribution of the number of days of farmwork worked by migrants has not changed significantly over the last two decades. Seasonal and casual workers still predominate as they did in 1960.

^{7/} Banks, Vera J. and Diane DeAre, Farm Population of the United States: 1979, Current Population Reports, Farm Population Series P-27, No. 53, U.S. Bur. of Census, U.S. Dept. of Comm. and Dept. of Agr., 1980; The Number of Farms, Econ. and Stat. Serv., U.S. Dept. of Agr., Dec. 1980. Farm population numbers are based on the old farm definition; see Appendix for explanation.

^{8/} From 1951 until its termination on December 31, 1964, the Bracero Program (under Public Law 78) enabled Mexican nationals to enter the United States to do temporary farmwork. For additional information on this law and the effect of its termination on the size of the migrant work force see McElroy, Robert C., and Earl E. Gavett, Termination of the Bracero Program: Some Effects on Farm Labor and Migrant Housing Needs, AER-77, Econ. Res. Serv., U.S. Dept. of Agr., June 1965.

HIRED FARM WORK FORCE CHANGED
IN PAST DECADE

Table 10--Migrant farmworkers, by duration of farmwork,
1960-79

Year	Total	Days of farmwork during the year			
		Less than	25-74	75-149	150 and
		25	:	:	over
<u>Thousands</u>					
1960	409	92	122	84	111
1961	395	99	131	80	85
1962	380	92	133	83	73
1963	386	108	89	111	78
1964	386	114	102	88	82
1965	466	165	114	92	94
1966	351	76	114	73	87
1967	276	81	81	56	57
1968	279	103	85	39	52
1969	257	85	84	46	41
1970	196	61	59	31	45
1971	172	55	57	35	24
1972	184	46	55	35	48
1973	203	57	57	37	52
1974	209	68	63	35	43
1975	188	45	74	21	48
1976	213	66	60	53	34
1977	191	39	73	35	44
1978 ^{1/}					
1979	217	56	80	33	48

^{1/} Data for 1978 are not available.

APPENDIX A: STATISTICAL TABLES

APPENDIX TABLE 1--ALL HIRED FARMWORKERS: DISTRIBUTION BY RACIAL/ETHNIC GROUPS
AND SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
THOUSANDS				
ALL WORKERS	2,652	1,976	320	355
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	849	900	193	156
HIRED FARMWORK	759	419	184	155
WITHOUT NONFARM WORK	656	349	162	145
WITH NONFARM WORK	103	70	23	11
OTHER FARMWORK 1/	90	81	8	1
NONFARM WORK	496	412	41	43
UNEMPLOYED	48	28	9	11
NOT IN LABOR FORCE	1,259	1,036	77	146
KEEPING HOUSE	176	107	31	38
ATTENDING SCHOOL	956	837	33	86
OTHER	127	92	14	21
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	2,652	1,976	320	355
14-17	707	618	26	63
18-24	802	633	91	78
25-34	458	310	87	61
35-44	281	162	47	72
45-54	162	86	33	43
55-64	128	82	26	20
65 AND OVER	114	86	9	18
NONFARM RESIDENCE	2,188	1,576	302	310
14-17	591	504	25	61
18-24	659	508	85	66
25-34	384	257	80	47
35-44	234	123	44	67
45-54	124	55	33	36
55-64	110	68	26	16
65 AND OVER	86	60	9	16
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	1,142	726	202	214
0-4	179	37	93	49
5-8	318	160	72	87
9-11	160	98	17	44
12	269	231	10	28
13 AND OVER	216	199	10	7
MIGRATORY STATUS:				
MIGRATORY	217	136	58	24
NONMIGRATORY	2,435	1,841	262	332
STANDARD FEDERAL REGIONS:				
I	65	65	0	0
II	85	73	2	10
III	118	108	0	10
IV	608	400	3	205
V	488	480	0	8
VI	403	237	110	56
VII	261	254	1	6
VIII	107	95	8	4
IX	364	119	192	54
X	152	146	4	2
CENSUS REGIONS:				
NORTHEAST	188	176	2	10
NORTH CENTRAL	785	768	1	16
SOUTH	1,071	696	104	271
WEST	607	336	213	58
DAYS OF FARMWORK:				
LESS THAN 25	898	746	53	99
25-74	672	481	75	116
75-149	323	244	39	40
150-249	335	199	77	59
250 AND OVER	423	306	76	41

CONTINUED--

APPENDIX TABLE 1--ALL HIRED FARMWORKERS: DISTRIBUTION BY RACIAL/ETHNIC GROUPS
AND SELECTED CHARACTERISTICS, 1979--CONTINUED

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
PERCENT				
ALL WORKERS	100	100	100	100
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	32	25	60	44
HIRED FARMWORK	29	21	58	44
WITHOUT NONFARM WORK	25	18	51	41
WITH NONFARM WORK	4	4	7	3
OTHER FARMWORK 1/	3	4	3	0
NONFARM WORK	19	21	13	12
UNEMPLOYED	2	1	3	3
NOT IN LABOR FORCE	47	52	24	41
KEEPING HOUSE	7	5	10	11
ATTENDING SCHOOL	36	42	10	24
OTHER	5	5	4	6
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	100	100	100	100
14-17	27	31	8	18
18-24	30	32	29	22
25-34	17	16	27	17
35-44	11	8	15	20
45-54	6	4	10	12
55-64	5	4	8	6
65 AND OVER	4	4	3	5
NONFARM RESIDENCE	100	100	100	100
14-17	27	32	8	20
18-24	30	32	28	21
25-34	18	16	26	15
35-44	11	8	15	22
45-54	6	3	11	12
55-64	5	4	9	5
65 AND OVER	4	4	3	5
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	100	100	100	100
0-4	16	5	46	23
5-8	28	22	36	41
9-11	14	13	8	21
12	24	32	5	13
13 AND OVER	19	27	5	3
MIGRATORY STATUS:				
MIGRATORY	8	7	18	7
NONMIGRATORY	92	93	82	93
STANDARD FEDERAL REGIONS:				
I	2	3	0	0
II	3	4	1	3
III	4	5	0	3
IV	23	20	1	58
V	18	24	0	2
VI	15	12	34	16
VII	10	13	0	2
VIII	4	5	2	1
IX	14	6	60	15
X	6	7	1	1
CENSUS REGIONS:				
NORTHEAST	7	9	1	3
NORTH CENTRAL	30	39	0	5
SOUTH	40	35	32	74
WEST	23	17	67	16
DAYS OF FARMWORK:				
LESS THAN 25	34	38	17	28
25-74	25	24	23	33
75-149	12	12	12	11
150-249	13	10	24	17
250 AND OVER	16	15	24	11

NOTE: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 2--ALL HIRED FARMWORKERS: DISTRIBUTION BY RACIAL/ETHNIC GROUPS,
SEX, AND SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	TOTAL		WHITES		HISPANICS		BLACKS AND OTHERS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
THOUSANDS								
ALL WORKERS	2,075	576	1,596	381	222	98	258	98
PRIMARY EMPLOYMENT STATUS:								
FARMWORK	755	94	464	36	150	43	142	14
HIRED FARMWORK	669	90	386	34	141	43	142	14
WITHOUT NONFARM WORK	588	68	326	24	129	33	134	11
WITH NONFARM WORK	81	22	60	10	12	10	8	2
OTHER FARMWORK 1/	87	3	78	3	8	0	0	1
NONFARM WORK	411	85	355	57	34	7	22	20
UNEMPLOYED	40	7	23	4	9	0	8	3
NOT IN LABOR FORCE	868	390	753	283	30	47	85	60
KEEPING HOUSE	5	170	3	104	0	31	2	36
ATTENDING SCHOOL	748	208	668	169	16	16	64	22
OTHER	115	12	82	10	14	0	19	2
RESIDENCE AND AGE (YEARS):								
ALL WORKERS	2,075	576	1,596	381	222	98	258	98
14-17	548	160	485	133	13	13	49	14
18-24	644	158	529	103	62	30	53	25
25-34	352	106	247	62	66	21	39	22
35-44	202	79	120	42	29	18	53	19
45-54	120	43	65	21	19	15	36	7
55-64	109	19	70	12	25	2	14	6
65 AND OVER	102	11	79	7	9	0	14	4
NONFARM RESIDENCE	1,682	506	1,245	331	207	95	229	80
14-17	455	135	394	111	13	12	49	13
18-24	516	143	416	93	55	29	44	21
25-34	286	97	195	62	61	19	31	16
35-44	160	74	84	38	26	18	50	17
45-54	90	35	41	14	18	15	30	6
55-64	95	15	59	9	25	2	11	5
65 AND OVER	80	6	56	4	9	0	14	2
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER								
0-4	884	259	581	145	147	55	156	59
5-8	147	31	31	6	75	18	41	8
9-11	252	67	140	20	48	25	64	22
12	115	46	76	22	10	7	28	16
13 AND OVER	200	69	179	53	6	4	15	12
170	46	155	44	8	2	7	0	
MIGRATORY STATUS:								
MIGRATORY	165	52	112	23	33	25	20	3
NONMIGRATORY	1,910	524	1,483	357	189	73	237	94
STANDARD FEDERAL REGIONS:								
I	43	23	43	22	0	0	0	0
II	57	28	53	21	2	0	2	7
III	90	28	85	23	0	0	5	5
IV	448	161	296	104	3	0	148	56
V	407	81	402	79	0	0	5	2
VI	340	63	218	19	76	34	46	17
VII	230	32	223	31	1	1	6	8
VIII	91	16	81	14	6	2	4	9
IX	263	101	96	23	130	62	38	16
X	107	45	101	45	4	0	2	0
CENSUS REGIONS:								
NORTHEAST	130	58	125	51	2	0	2	8
NORTH CENTRAL	664	121	650	118	1	1	14	2
SOUTH	832	240	560	136	72	32	199	72
WEST	450	157	261	75	148	66	42	16
DAYS OF FARMWORK:								
LESS THAN 25	669	229	583	163	33	20	53	46
25-74	475	198	344	136	43	32	88	29
75-149	245	78	202	42	16	23	27	13
150-249	282	53	174	26	59	18	50	17
250 DAYS AND OVER	405	18	292	14	72	5	41	0

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APPENDIX TABLE 2--ALL HIRED FARMWORKERS: DISTRIBUTION BY RACIAL/ETHNIC GROUPS,
SEX, AND SELECTED CHARACTERISTICS, 1979--CONTINUED

CHARACTERISTICS	TOTAL		WHITES		HISPANICS		BLACKS AND OTHERS	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
PERCENT								
ALL WORKERS	100	100	100	100	100	100	100	100
PRIMARY EMPLOYMENT STATUS:								
FARMWORK	36	16	29	10	67	44	55	14
HIRED FARMWORK	32	16	24	9	64	44	55	14
WITHOUT NONFARM WORK	28	12	20	6	58	34	52	11
WITH NONFARM WORK	4	4	4	3	6	10	3	2
OTHER FARMWORK 1/	4	1	5	1	4	0	0	1
NONFARM WORK	20	15	22	15	15	8	9	21
UNEMPLOYED	2	1	1	1	4	0	3	3
NOT IN LABOR FORCE	42	68	47	74	13	48	33	62
KEEPING HOUSE	0	30	0	27	0	32	1	37
ATTENDING SCHOOL	36	36	42	44	7	17	25	23
OTHER	6	2	5	3	6	0	7	2
RESIDENCE AND AGE (YEARS):								
ALL WORKERS	100	100	100	100	100	100	100	100
14-17	26	28	30	35	6	13	19	14
18-24	31	27	33	27	28	30	21	26
25-34	17	18	15	16	29	22	15	23
35-44	10	14	8	11	13	18	20	19
45-54	6	7	4	5	8	15	14	7
55-64	5	3	4	3	11	2	5	6
65 AND OVER	5	2	5	2	4	0	6	4
NONFARM RESIDENCE	100	100	100	100	100	100	100	100
14-17	27	27	32	34	6	13	21	16
18-24	31	28	33	28	27	31	19	26
25-34	17	19	16	19	29	20	14	20
35-44	10	15	7	11	13	19	22	21
45-54	5	7	3	4	9	16	13	8
55-64	6	3	5	3	12	2	5	6
65 AND OVER	5	1	4	1	4	0	6	3
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	100	100	100	100	100	100	100	100
0-4	17	12	5	4	51	33	26	14
5-8	29	26	24	14	33	44	41	38
9-11	13	18	13	15	7	13	18	27
12	23	27	31	37	4	7	10	20
13 AND OVER	19	18	27	30	5	4	4	0
MIGRATORY STATUS:								
MIGRATORY	8	9	7	6	15	26	8	3
NONMIGRATORY	92	91	93	94	85	74	92	97
STANDARD FEDERAL REGIONS:								
I	2	4	3	6	0	0	0	0
II	3	5	3	5	1	0	1	7
III	4	5	5	6	0	0	2	5
IV	22	28	19	27	2	0	58	58
V	20	14	25	21	0	0	2	2
VI	16	11	14	5	34	35	18	10
VII	11	6	14	8	0	1	2	0
VIII	4	3	5	4	3	2	2	0
IX	13	17	6	6	58	63	15	16
X	5	8	6	12	2	0	1	0
CENSUS REGIONS:								
NORTHEAST	6	10	8	13	1	0	1	8
NORTH CENTRAL	32	21	41	31	0	1	5	2
SOUTH	40	42	35	36	32	32	77	73
WEST	22	27	16	20	66	67	16	17
DAYS OF FARMWORK:								
LESS THAN 25	32	40	37	43	15	20	20	48
25-74	23	34	22	36	19	33	34	30
75-149	12	14	13	11	7	24	10	13
150-249	14	9	11	7	27	18	19	10
250 DAYS AND OVER	19	3	18	4	32	5	16	0

NOTE: ZEROS INDICATE ESTIMATE WAS LESS THAN 500.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 3--HIRED FARMWORKERS WHO DID LESS THAN 25 DAYS OF FARMWORK: DISTRIBUTION
BY RACIAL/ETHNIC GROUPS AND SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
THOUSANDS				
ALL WORKERS	898	746	53	99
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	45	39	6	0
HIRED FARMWORK	7	4	2	0
WITHOUT NONFARM WORK	7	4	2	0
WITH NONFARM WORK	0	0	0	0
OTHER FARMWORK 1/	38	35	3	0
NONFARM WORK	247	209	11	27
UNEMPLOYED	12	5	2	5
NOT IN LABOR FORCE	595	493	34	68
KEEPING HOUSE	81	51	16	13
ATTENDING SCHOOL	473	412	11	50
OTHER	41	30	7	5
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	898	746	53	99
14-17	353	314	8	31
18-24	272	218	19	35
25-34	141	112	14	15
35-44	47	33	6	8
45-54	24	19	3	2
55-64	29	21	1	6
65 AND OVER	32	30	2	1
NONFARM RESIDENCE	780	635	53	93
14-17	317	278	8	31
18-24	232	182	19	31
25-34	136	107	14	15
35-44	37	23	6	8
45-54	16	12	3	1
55-64	21	15	1	5
65 AND OVER	21	18	2	1
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	273	214	26	32
0-4	31	12	13	6
5-8	50	31	10	9
9-11	43	30	4	10
12	62	56	0	6
13 AND OVER	87	85	0	2
MIGRATORY STATUS:				
MIGRATORY	56	46	3	7
NONMIGRATORY	843	700	50	92
STANDARD FEDERAL REGIONS:				
I	23	23	0	0
II	24	18	0	6
III	26	24	0	2
IV	174	129	0	46
V	216	212	0	4
VI	129	93	16	21
VII	111	108	1	2
VIII	38	31	5	2
IX	89	41	32	15
X	68	67	0	1
CENSUS REGIONS:				
NORTHEAST	58	52	0	6
NORTH CENTRAL	340	332	1	8
SOUTH	312	229	15	68
WEST	188	133	37	17

CONTINUED--

APPENDIX TABLE 3--HIRED FARMWORKERS WHO DID LESS THAN 25 DAYS OF FARMWORK: DISTRIBUTION
BY RACIAL/ETHNIC GROUPS AND SELECTED CHARACTERISTICS, 1979--CONTINUED

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
PERCENT				
ALL WORKERS	100	100	100	100
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	5	5	11	0
HIRED FARMWORK	1	1	4	0
WITHOUT NONFARM WORK	1	1	4	0
WITH NONFARM WORK	0	0	0	0
OTHER FARMWORK 1/	4	5	7	0
NONFARM WORK	27	28	21	27
UNEMPLOYED	1	1	3	5
NOT IN LABOR FORCE	66	66	65	68
KEEPING HOUSE	9	7	30	14
ATTENDING SCHOOL	53	55	21	50
OTHER	5	4	13	5
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	100	100	100	100
14-17	39	42	14	32
18-24	30	29	36	35
25-34	16	15	26	16
35-44	5	4	12	8
45-54	3	2	6	2
55-64	3	3	2	6
65 AND OVER	4	4	3	1
NONFARM RESIDENCE	100	100	100	100
14-17	41	44	15	34
18-24	30	29	36	34
25-34	17	17	26	16
35-44	5	4	11	9
45-54	2	2	6	1
55-64	3	2	2	5
65 AND OVER	3	3	4	1
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	100	100	--	--
0-4	11	6	--	--
5-8	18	14	--	--
9-11	16	14	--	--
12	23	26	--	--
13 AND OVER	32	40	--	--
MIGRATORY STATUS:				
MIGRATORY	6	6	5	7
NONMIGRATORY	94	94	95	93
STANDARD FEDERAL REGIONS:				
I	3	3	0	0
II	3	2	0	6
III	3	3	0	2
IV	19	17	0	46
V	24	28	0	4
VI	14	12	30	21
VII	12	15	1	2
VIII	4	4	9	2
IX	10	6	60	15
X	8	9	0	1
CENSUS REGIONS:				
NORTHEAST	6	7	0	6
NORTH CENTRAL	38	45	1	8
SOUTH	35	31	29	69
WEST	21	18	70	17

NOTES: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 4--HIRED FARMWORKERS WHO DID 25 TO 149 DAYS OF FARMWORK: DISTRIBUTION
BY RACIAL/ETHNIC GROUPS AND SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
THOUSANDS				
ALL WORKERS	995	725	114	156
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	196	89	44	64
HIRED FARMWORK	164	60	40	64
WITHOUT NONFARM WORK	129	44	22	63
WITH NONFARM WORK	35	16	18	0
OTHER FARMWORK 1/	33	29	4	1
NONFARM WORK	194	157	22	16
UNEMPLOYED	31	17	7	6
NOT IN LABOR FORCE	574	462	41	70
KEEPING HOUSE	84	48	13	23
ATTENDING SCHOOL	426	368	21	37
OTHER	63	46	7	11
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	995	725	114	156
14-17	313	266	16	31
18-24	319	246	42	32
25-34	124	79	23	22
35-44	107	57	11	38
45-54	54	29	10	15
55-64	34	16	10	9
65 AND OVER	44	33	2	9
NONFARM RESIDENCE	844	594	109	140
14-17	258	214	14	30
18-24	275	205	41	30
25-34	102	67	21	14
35-44	95	47	11	37
45-54	44	18	10	15
55-64	30	13	10	7
65 AND OVER	39	30	2	7
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	363	213	57	93
0-4	63	9	23	31
5-8	118	55	20	42
9-11	44	27	7	10
12	87	78	2	6
13 AND OVER	52	43	4	4
MIGRATORY STATUS:				
MIGRATORY	113	67	41	5
NONMIGRATORY	883	658	73	152
STANDARD FEDERAL REGIONS:				
I	25	25	0	0
II	35	31	2	1
III	56	48	0	8
IV	265	160	2	103
V	154	153	0	1
VI	158	97	46	15
VII	93	90	1	3
VIII	35	31	2	2
IX	127	44	61	22
X	47	45	1	1
CENSUS REGIONS:				
NORTHEAST	74	70	2	2
NORTH CENTRAL	259	255	1	4
SOUTH	460	289	45	126
WEST	201	111	66	24

CONTINUED--

APPENDIX TABLE 4--HIRED FARMWORKERS WHO DID 25 TO 149 DAYS OF FARMWORK: DISTRIBUTION
BY RACIAL/ETHNIC GROUPS AND SELECTED CHARACTERISTICS, 1979--CONTINUED

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
PERCENT				
ALL WORKERS	100	100	100	100
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	20	12	38	41
HIRED FARMWORK	16	8	35	41
WITHOUT NONFARM WORK	13	6	19	40
WITH NONFARM WORK	3	2	16	0
OTHER FARMWORK 1/	3	4	3	0
NONFARM WORK	20	22	19	10
UNEMPLOYED	3	2	5	4
NOT IN LABOR FORCE	58	64	36	45
KEEPING HOUSE	8	7	12	15
ATTENDING SCHOOL	43	51	19	24
OTHER	6	6	6	7
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	100	100	100	100
14-17	31	37	14	20
18-24	32	34	37	20
25-34	12	11	21	14
35-44	11	8	10	24
45-54	5	4	9	10
55-64	3	2	9	6
65 AND OVER	4	4	1	6
NONFARM RESIDENCE	100	100	100	100
14-17	31	36	13	21
18-24	33	35	38	21
25-34	12	11	19	10
35-44	11	8	10	26
45-54	5	3	9	11
55-64	4	2	9	5
65 AND OVER	5	5	2	5
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	100	100	100	100
0-4	17	4	41	33
5-8	33	26	36	45
9-11	12	13	12	11
12	24	37	4	6
13 AND OVER	14	20	7	4
MIGRATORY STATUS:				
MIGRATORY	11	9	36	3
NONMIGRATORY	89	91	64	97
STANDARD FEDERAL REGIONS:				
I	3	3	0	0
II	3	4	2	1
III	6	7	0	5
IV	27	22	1	66
V	15	21	0	1
VI	16	13	40	10
VII	9	12	1	2
VIII	4	4	2	1
IX	13	6	54	14
X	5	6	1	1
CENSUS REGIONS:				
NORTHEAST	7	10	2	1
NORTH CENTRAL	26	35	1	3
SOUTH	46	40	40	81
WEST	20	15	58	15

NOTE: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500.

1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 5--HIRED FARMWORKERS WHO DID 150 OR MORE DAYS OF FARMWORK: DISTRIBUTION
BY RACIAL/ETHNIC GROUPS AND SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
THOUSANDS				
ALL WORKERS	758	505	153	100
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	608	372	144	92
HIRED FARMWORK	589	355	142	92
WITHOUT NONFARM WORK	520	301	138	81
WITH NONFARM WORK	68	54	5	10
OTHER FARMWORK 1/	19	18	1	0
NONFARM WORK	55	47	8	0
UNEMPLOYED	6	6	0	0
NOT IN LABOR FORCE	90	80	2	8
KEEPING HOUSE	11	8	2	2
ATTENDING SCHOOL	57	57	0	0
OTHER	22	16	0	6
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	758	505	153	100
14-17	41	37	3	0
18-24	211	169	31	12
25-34	193	119	50	24
35-44	127	72	30	26
45-54	84	39	20	25
55-64	65	45	15	5
65 AND OVER	38	24	6	8
NONFARM RESIDENCE	563	347	140	77
14-17	15	12	3	0
18-24	151	122	25	4
25-34	146	83	45	18
35-44	101	52	27	22
45-54	64	25	19	20
55-64	59	41	15	4
65 AND OVER	26	12	6	8
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	507	299	119	88
0-4	85	16	57	12
5-8	150	74	42	35
9-11	73	41	6	25
12	121	97	9	15
13 AND OVER	77	70	6	1
MIGRATORY STATUS:				
MIGRATORY	49	23	14	12
NONMIGRATORY	709	482	139	88
STANDARD FEDERAL REGIONS:				
I	18	18	0	0
II	26	24	0	2
III	35	35	0	0
IV	169	111	2	56
V	118	115	0	3
VI	116	48	48	20
VII	57	55	0	2
VIII	34	32	1	0
IX	148	33	98	17
X	38	34	3	0
CENSUS REGIONS:				
NORTHEAST	56	53	0	2
NORTH CENTRAL	185	181	0	4
SOUTH	299	179	43	76
WEST	219	92	110	17

CONTINUED--

APPENDIX TABLE 5--HIRED FARMWORKERS WHO DID 150 OR MORE DAYS OF FARMWORK: DISTRIBUTION
BY RACIAL/ETHNIC GROUPS AND SELECTED CHARACTERISTICS, 1979--CONTINUED

CHARACTERISTICS	TOTAL	WHITES	HISPANICS	BLACKS AND OTHERS
PERCENT				
ALL WORKERS	100	100	100	100
PRIMARY EMPLOYMENT STATUS:				
FARMWORK	80	74	94	92
HIRED FARMWORK	78	70	93	92
WITHOUT NONFARM WORK	69	60	90	82
WITH NONFARM WORK	9	11	3	10
OTHER FARMWORK 1/	3	3	1	0
NONFARM WORK	7	9	5	0
UNEMPLOYED	1	1	0	0
NOT IN LABOR FORCE	12	16	1	8
KEEPING HOUSE	1	2	1	2
ATTENDING SCHOOL	7	11	0	0
OTHER	3	3	0	6
RESIDENCE AND AGE (YEARS):				
ALL WORKERS	100	100	100	100
14-17	5	7	2	0
18-24	28	33	20	12
25-34	25	24	32	24
35-44	17	14	19	26
45-54	11	8	13	25
55-64	9	9	10	5
65 AND OVER	5	5	4	8
NONFARM RESIDENCE	100	100	100	100
14-17	3	3	2	0
18-24	27	35	18	5
25-34	26	24	32	23
35-44	18	15	19	30
45-54	11	7	14	27
55-64	10	12	11	5
65 AND OVER	5	3	4	10
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER	100	100	100	100
0-4	17	5	48	14
5-8	30	25	35	40
9-11	14	14	5	28
12	24	32	8	17
13 AND OVER	15	23	5	1
MIGRATORY STATUS:				
MIGRATORY	6	5	9	12
NONMIGRATORY	94	95	91	88
STANDARD FEDERAL REGIONS:				
I	2	4	0	0
II	3	5	0	2
III	5	7	0	0
IV	22	22	1	56
V	16	23	0	3
VI	15	9	32	20
VII	8	11	0	2
VIII	4	6	1	0
IX	20	7	64	17
X	5	7	2	0
CENSUS REGIONS:				
NORTHEAST	7	11	0	2
NORTH CENTRAL	24	36	0	4
SOUTH	39	35	28	77
WEST	29	18	72	17

NOTE: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 6--ALL HIRED FARMWORKERS: DAYS OF FARMWORK
BY SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	NUMBER OF HIRED FARMWORKERS					
	TOTAL	NUMBER BY DAYS WORKED				
		FEWER THAN 25	25 TO 74	75 TO 149	150 TO 249	250 AND OVER
THOUSANDS						
ALL WORKERS	2,652	898	672	323	335	423
ETHNIC GROUPS:						
WHITES	1,976	746	481	244	199	306
HISPANICS	320	53	75	39	77	76
BLACKS AND OTHERS	355	99	116	40	59	41
PRIMARY EMPLOYMENT STATUS:						
FARMWORK	849	45	112	84	237	371
HIRED FARMWORK	759	7	91	73	230	358
WITHOUT NONFARM WORK	656	7	71	58	182	338
WITH NONFARM WORK	103	0	19	15	48	20
OTHER FARMWORK 1/	90	38	22	11	6	13
NONFARM WORK	496	247	133	61	40	15
UNEMPLOYED	48	12	17	14	4	2
NOT IN LABOR FORCE	1,259	595	410	164	55	36
KEEPING HOUSE	176	81	64	19	10	2
ATTENDING SCHOOL	956	473	316	111	24	32
OTHER	127	41	30	34	20	2
SEX AND AGE (YEARS):						
MALES	2,075	669	475	245	282	405
14-17	548	291	170	54	11	22
18-24	644	209	162	81	89	104
25-34	352	94	56	24	57	120
35-44	202	23	39	27	54	59
45-54	120	9	19	17	24	51
55-64	109	18	14	17	24	36
65 AND OVER	102	24	15	25	23	14
FEMALES	576	229	198	78	53	18
14-17	160	62	71	18	6	3
18-24	158	63	61	16	15	3
25-34	106	46	33	11	11	4
35-44	79	24	18	23	11	4
45-54	43	15	9	9	6	3
55-64	19	11	3	1	4	1
65 AND OVER	11	8	3	0	0	0
RESIDENCE:						
FARM	464	118	98	53	52	143
NONFARM	2,188	780	574	270	284	280
MIGRATORY STATUS:						
MIGRATORY	217	56	80	33	31	17
NONMIGRATORY	2,435	843	592	290	304	405
STANDARD FEDERAL REGIONS:						
I	65	23	16	9	6	12
II	85	24	24	10	15	11
III	118	26	30	26	12	24
IV	608	174	192	73	88	81
V	488	216	104	50	34	84
VI	403	129	105	53	53	63
VII	261	111	66	27	21	36
VIII	107	38	24	10	14	20
IX	364	89	75	52	76	72
X	152	68	35	12	18	20
CENSUS REGIONS:						
NORTHEAST	188	58	48	26	24	32
NORTH CENTRAL	785	340	179	80	60	125
SOUTH	1,071	312	318	143	144	154
WEST	607	188	127	74	107	112

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APPENDIX TABLE 6--ALL HIRED FARMWORKERS: DAYS OF FARMWORK
BY SELECTED CHARACTERISTICS, 1979--CONTINUED

CHARACTERISTICS	NUMBER OF HIRED FARMWORKERS PERCENTAGE BY DAYS WORKED					
	TOTAL	FEWER THAN 25	25 TO 74	75 TO 149	150 TO 249	250 AND OVER
PERCENT						
ALL WORKERS	100	34	25	12	13	16
ETHNIC GROUPS:						
WHITES	100	38	24	12	10	15
HISPANICS	100	17	23	12	24	24
BLACKS AND OTHERS	100	28	33	11	17	11
PRIMARY EMPLOYMENT STATUS:						
FARMWORK	100	5	13	10	28	44
HIRED FARMWORK	100	1	12	10	30	47
WITHOUT NONFARM WORK	100	1	11	9	28	52
WITH NONFARM WORK	100	--	19	15	47	20
OTHER FARMWORK 1/	100	42	24	12	7	14
NONFARM WORK	100	50	27	12	8	3
UNEMPLOYED	---	--	--	--	--	--
NOT IN LABOR FORCE	100	47	33	13	4	3
KEEPING HOUSE	100	46	37	11	6	1
ATTENDING SCHOOL	100	49	33	12	3	3
OTHER	100	33	23	27	16	1
SEX AND AGE (YEARS):						
MALES	100	32	23	12	14	19
14-17	100	53	31	10	2	4
18-24	100	32	25	13	14	16
25-34	100	27	16	7	16	34
35-44	100	11	19	14	27	29
45-54	100	7	16	14	20	42
55-64	100	17	13	15	22	33
65 AND OVER	100	24	15	25	23	14
FEMALES	100	40	34	14	9	3
14-17	100	39	44	11	3	2
18-24	100	40	39	10	10	2
25-34	100	44	31	10	11	4
35-44	100	30	22	29	13	5
45-54	---	--	--	--	--	--
55-64	---	--	--	--	--	--
65 AND OVER	---	--	--	--	--	--
RESIDENCE:						
FARM	100	25	21	11	11	31
NONFARM	100	36	26	12	13	13
MIGRATORY STATUS:						
MIGRATORY	100	26	37	15	14	8
NONMIGRATORY	100	35	24	12	12	17
STANDARD FEDERAL REGIONS:						
I	100	34	25	14	9	18
II	100	29	28	12	17	13
III	100	22	26	22	10	20
IV	100	29	32	12	14	13
V	100	44	21	10	7	17
VI	100	32	26	13	13	16
VII	100	43	25	10	8	14
VIII	100	36	23	10	13	19
IX	100	24	21	14	21	20
X	100	44	23	8	12	13
CENSUS REGIONS:						
NORTHEAST	100	31	26	14	13	17
NORTH CENTRAL	100	43	23	10	8	16
SOUTH	100	29	30	13	13	14
WEST	100	31	21	12	18	18

NOTES: ZEROS INDICATE THE ESTIMATE WAS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.

1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 7--ALL HIRED FARMWORKERS: DEMOGRAPHIC CHARACTERISTICS BY AVERAGE NUMBER OF DAYS WORKED AND EARNINGS, 1979

CHARACTERISTICS	FARM AND NONFARM						WORKERS WHO DID HIRED			
	THOUSANDS OF WORKERS	DAYS WORKED	DOLLARS EARNED		EARNINGS (DOLLARS)		THOUSANDS OF WORKERS	DAYS WORKED	DOLLARS EARNED	
			DAILY	ANNUAL	DAILY	ANNUAL			DAILY	ANNUAL
ALL WORKERS	2,652	159	26.34	4,185	23.97	2,444	1,524	133	24.20	3,212
ETHNIC GROUPS AND SEX:										
WHITES	1,976	161	26.56	4,262	23.04	2,215	1,023	130	22.90	2,974
HISPANICS	320	181	26.94	4,882	27.90	4,006	234	172	28.53	4,903
BLACKS AND OTHERS	355	130	24.11	3,129	23.89	2,314	267	109	24.14	2,642
MALES	2,075	174	27.01	4,689	24.36	2,764	1,198	149	24.56	3,666
WHITES	1,596	174	27.12	4,726	23.43	2,482	825	146	23.35	3,403
HISPANICS	222	209	27.68	5,790	28.47	4,744	161	204	28.84	5,890
BLACKS AND OTHERS	258	139	25.26	3,511	24.54	2,801	212	121	24.78	3,007
FEMALES	576	106	22.39	2,370	21.34	1,293	326	72	21.41	1,538
WHITES	381	103	22.53	2,317	19.85	1,093	197	64	18.59	1,180
HISPANICS	98	118	23.95	2,822	25.55	2,332	73	101	27.15	2,732
BLACKS AND OTHERS	98	105	20.11	2,120	20.08	1,028	55	64	19.51	1,239
SEX AND AGE (YEARS):										
14-17	707	72	14.24	1,026	16.40	759	447	54	15.51	837
18-24	802	179	27.10	4,862	24.38	2,318	351	143	24.69	3,539
25-34	458	216	31.09	6,716	26.43	3,506	239	193	26.71	5,152
35-44	281	200	28.87	5,784	25.66	3,713	177	169	27.11	4,592
45-54	162	200	27.53	5,494	26.79	4,485	119	191	26.66	5,103
55-64	128	178	24.43	4,346	22.82	3,474	99	169	22.59	3,829
65 AND OVER	114	142	20.21	2,880	19.88	2,341	91	133	20.30	2,698
MALES--										
14-17	548	71	14.27	1,007	15.68	721	354	55	15.11	826
18-24	644	194	27.59	5,361	24.90	2,611	285	163	25.28	4,131
25-34	352	246	31.81	7,811	26.97	4,169	184	225	27.20	6,107
35-44	202	228	29.84	6,814	26.09	4,389	125	201	27.52	5,539
45-54	120	228	28.19	6,427	27.22	5,288	85	223	27.06	6,029
55-64	109	194	24.58	4,775	22.87	3,828	84	186	22.54	4,192
65 AND OVER	102	154	20.32	3,138	19.94	2,544	81	146	20.37	2,977
FEMALES--										
14-17	160	77	14.12	1,092	18.80	888	94	51	17.14	879
18-24	158	119	23.83	2,827	20.31	1,122	66	56	17.28	971
25-34	106	118	26.19	3,091	21.79	1,311	55	88	22.62	1,992
35-44	79	129	24.51	3,163	23.46	1,993	52	93	24.97	2,316
45-54	43	--	---	---	---	---	33	--	---	---
55-64	19	--	---	---	---	---	15	--	---	---
65 AND OVER	11	--	---	---	---	---	10	--	---	---
HOUSEHOLD AND MIGRANT STATUS:										
HOUSEHOLD HEADS	1,124	218	30.05	6,563	26.66	3,733	622	193	27.24	5,251
MIGRATORY	106	211	32.22	6,796	27.88	2,986	39	---	---	---
NONMIGRATORY	1,018	219	29.83	6,539	26.56	3,811	583	194	27.16	5,266
OTHER HOUSEHOLD MEMBERS	1,528	115	21.17	2,436	20.23	1,496	902	91	19.77	1,805
MIGRATORY	111	124	24.03	2,986	23.35	1,597	59	91	23.11	2,099
NONMIGRATORY	1,417	114	20.92	2,393	20.00	1,489	843	91	19.54	1,785
YEARS OF EDUCATION COMPLETED BY WORKERS 25 AND OVER										
0-4	1,142	198	28.58	5,666	25.31	3,576	726	176	25.65	4,518
5-8	179	157	24.23	3,810	24.49	3,495	152	147	25.05	3,693
9-11	318	188	24.83	4,668	24.24	3,690	236	174	24.29	4,227
12	160	183	26.50	4,842	25.39	3,517	102	175	26.28	4,597
13 AND OVER	269	220	32.46	7,149	28.21	4,222	158	199	27.63	5,496
	216	231	32.15	7,443	23.50	2,714	78	194	25.34	4,917

NOTE: DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.

APPENDIX TABLE 8--ALL HIRED FARMWORKERS: EMPLOYMENT CHARACTERISTICS BY AVERAGE NUMBER OF DAYS WORKED AND EARNINGS, 1979

CHARACTERISTICS	THOUSANDS OF WORKERS	DAYS WORKED	FARM AND NONFARM		FARM		WORKERS WHO DID HIRED			
			DOLLARS EARNED		EARNINGS (DOLLARS)		FARMWORK ONLY			
			DAILY	ANNUAL	DAILY	ANNUAL	THOUSANDS OF WORKERS	DAYS WORKED	DOLLARS EARNED	
									DAILY	ANNUAL
ALL WORKERS	2,652	159	26.34	4,185	23.97	2,444	1,524	133	24.20	3,212
PRIMARY EMPLOYMENT STATUS:										
FARMWORK	849	224	25.93	5,805	25.83	5,424	710	220	25.87	5,703
HIRED FARMWORK	759	235	25.94	6,089	26.02	5,843	656	231	26.10	6,042
WITHOUT NONFARM WORK	656	231	26.10	6,042	26.10	6,042	656	231	26.10	6,042
WITH NONFARM WORK	103	256	24.96	6,388	25.33	4,579				
OTHER FARMWORK 1/	90	132	25.89	3,406	21.68	1,879	54	86	18.35	1,580
NONFARM WORK	496	254	32.81	8,348	23.04	1,210				
UNEMPLOYED	48	---	---	---	---	---	22	---	---	---
NOT IN LABOR FORCE	1,259	79	19.08	1,510	19.17	956	792	56	18.28	1,029
KEEPING HOUSE	176	60	20.24	1,215	19.80	890	139	43	20.73	896
ATTENDING SCHOOL	956	81	17.81	1,434	17.74	839	558	56	16.41	917
OTHER	127	95	26.16	2,484	25.29	1,935	95	78	24.21	1,883
RESIDENCE, SEX, AND DAYS OF FARMWORK (DAYS):										
LESS THAN 25	898	98	28.85	2,825	19.72	180	356	11	18.71	204
25-74	672	100	26.36	2,648	21.92	993	388	45	20.12	907
75-149	323	153	25.65	3,935	22.10	2,303	184	108	22.63	2,433
150-249	335	240	26.30	6,319	24.95	4,995	223	202	25.58	5,172
250 AND OVER	423	321	24.98	8,020	24.70	7,646	373	311	24.72	7,692
NONFARM RESIDENCE										
LESS THAN 25	2,188	154	27.17	4,180	24.92	2,293	1,199	120	25.45	3,061
25-74	780	103	29.15	2,998	20.26	183	293	11	18.93	205
75-149	574	102	26.18	2,676	22.34	1,013	326	45	20.35	909
150-249	270	154	25.13	3,871	21.99	2,278	150	106	23.13	2,460
150-249	284	242	27.14	6,581	25.75	5,130	188	202	26.27	5,295
250 AND OVER	280	312	26.99	8,432	26.54	7,947	241	301	26.85	8,071
MALES--										
LESS THAN 25	669	105	29.77	3,140	20.40	183	250	11	18.94	205
25-74	475	109	28.58	3,128	22.64	1,040	267	45	20.64	938
75-149	245	160	26.48	4,232	21.91	2,268	137	107	22.17	2,369
150-249	282	243	27.13	6,605	25.89	5,220	186	204	26.34	5,365
250 AND OVER	405	321	24.98	8,022	24.65	7,639	358	311	24.83	7,725
FEMALES--										
LESS THAN 25	229	76	25.13	1,904	17.85	171	106	11	18.17	202
25-74	198	79	18.96	1,494	20.11	879	121	44	18.94	837
75 AND OVER	149	188	22.60	4,243	22.10	3,564	99	170	22.42	3,808
MIGRATORY STATUS AND DAYS OF FARMWORK (DAYS):										
MIGRATORY	217	167	29.11	4,852	26.07	2,277	98	125	26.15	3,258
LESS THAN 25	56	128	34.44	4,413	23.09	205	15	---	---	---
25-74	80	123	25.91	3,198	25.01	1,098	31	---	---	---
75-149	33	---	---	---	---	---	14	---	---	---
150 AND OVER	49	---	---	---	---	---	37	---	---	---
NONMIGRATORY	2,435	158	26.08	4,126	23.81	2,459	1,426	133	24.07	3,208
LESS THAN 25	843	96	28.36	2,719	19.50	178	340	11	18.51	199
25-149	883	114	25.61	2,914	21.62	1,398	527	65	21.30	1,388
150-249	304	242	26.14	6,330	24.62	4,941	202	203	25.21	5,125
250 AND OVER	405	321	25.00	8,032	24.68	7,647	357	311	24.69	7,676

NOTE: DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 9--ALL HIRED FARMWORKERS: REGIONS AND RACIAL/ETHNIC GROUPS BY AVERAGE
NUMBER OF DAYS WORKED AND EARNINGS, 1979

CHARACTERISTICS	FARM AND NONFARM						WORKERS WHO DID HIRED			
	THOUSANDS OF WORKERS	DAYS WORKED	DOLLARS EARNED		EARNINGS (DOLLARS)		THOUSANDS OF WORKERS	DAYS WORKED	DOLLARS EARNED	
			DAILY	ANNUAL	DAILY	ANNUAL			DAILY	ANNUAL
ALL WORKERS	2,652	159	26.34	4,185	23.97	2,444	1,524	133	24.20	3,212
CENSUS REGIONS:										
NORTHEAST	188	157	25.06	3,937	20.88	2,271	118	140	21.87	3,066
WHITES	176	156	25.02	3,914	20.81	2,313	111	143	21.69	3,110
HISPANICS	2	---	---	---	---	---	2	---	---	---
BLACKS AND OTHERS	10	---	---	---	---	---	5	---	---	---
NORTH CENTRAL	785	156	26.85	4,176	22.07	2,029	394	124	21.13	2,627
WHITES	768	156	27.00	4,225	22.19	2,033	381	124	21.27	2,643
HISPANICS	1	---	---	---	---	---	1	---	---	---
BLACKS AND OTHERS	16	---	---	---	---	---	12	---	---	---
SOUTH	1,071	157	24.48	3,838	22.26	2,214	648	121	22.38	2,704
WHITES	696	164	24.78	4,055	21.40	2,061	366	123	21.25	2,613
HISPANICS	104	189	24.30	4,601	24.06	3,115	69	154	24.17	3,718
BLACKS AND OTHERS	271	127	23.58	2,988	23.54	2,263	213	106	23.79	2,529
WEST	607	168	29.17	4,887	29.35	3,440	364	161	29.86	4,795
WHITES	336	165	29.99	4,962	29.47	2,898	164	149	29.85	4,455
HISPANICS	213	178	28.31	5,049	29.44	4,459	162	181	30.12	5,450
BLACKS AND OTHERS	58	139	27.64	3,855	27.90	2,832	38	---	---	---
STANDARD FEDERAL REGIONS:										
I	65	145	21.57	3,134	19.76	2,065	38	---	---	---
WHITES	65	146	21.56	3,147	19.74	2,071	38	---	---	---
HISPANICS	0	---	---	---	---	---	0	---	---	---
BLACKS AND OTHERS	0	---	---	---	---	---	0	---	---	---
II	85	169	28.71	4,838	23.60	2,487	51	128	26.00	3,333
WHITES	73	168	29.22	4,908	23.73	2,615	45	---	---	---
HISPANICS	2	---	---	---	---	---	2	---	---	---
BLACKS AND OTHERS	10	---	---	---	---	---	4	---	---	---
III	118	171	26.45	4,520	20.45	2,484	72	147	19.49	2,861
WHITES	108	172	26.16	4,487	20.33	2,594	68	151	19.36	2,931
HISPANICS	0	---	---	---	---	---	0	---	---	---
BLACKS AND OTHERS	10	---	---	---	---	---	4	---	---	---
IV	608	142	23.13	3,285	22.10	2,147	405	113	22.35	2,519
WHITES	400	151	23.46	3,545	21.65	2,143	243	120	21.83	2,612
HISPANICS	3	---	---	---	---	---	2	---	---	---
BLACKS AND OTHERS	205	123	22.48	2,770	23.25	2,151	160	101	23.60	2,391
V	488	158	25.20	3,969	20.45	1,934	246	127	19.76	2,513
WHITES	480	158	25.41	4,007	20.68	1,941	241	126	20.08	2,521
HISPANICS	0	---	---	---	---	---	0	---	---	---
BLACKS AND OTHERS	8	---	---	---	---	---	5	---	---	---
VI	403	176	25.31	4,444	22.68	2,292	217	135	22.92	3,184
WHITES	237	178	25.65	4,571	20.78	1,700	92	119	20.28	2,423
HISPANICS	110	192	24.41	4,677	24.41	3,290	76	161	24.62	3,966
BLACKS AND OTHERS	56	133	25.95	3,444	24.39	2,840	48	---	---	---
VII	261	152	30.00	4,551	25.03	2,142	127	118	23.85	2,803
WHITES	254	153	30.09	4,602	24.96	2,126	122	118	23.68	2,804
HISPANICS	1	---	---	---	---	---	1	---	---	---
BLACKS AND OTHERS	6	---	---	---	---	---	5	---	---	---
VIII	107	181	27.71	5,020	25.99	2,870	57	157	24.40	3,824
WHITES	95	189	28.06	5,303	26.12	3,103	51	169	24.49	4,151
HISPANICS	8	---	---	---	---	---	3	---	---	---
BLACKS AND OTHERS	4	---	---	---	---	---	3	---	---	---
IX	364	171	29.73	5,078	30.83	4,016	247	163	31.36	5,107
WHITES	119	175	32.23	5,646	34.07	3,639	64	146	34.88	5,104
HISPANICS	192	177	28.75	5,075	29.89	4,536	147	180	30.61	5,528
BLACKS AND OTHERS	54	140	27.28	3,828	28.40	2,986	37	---	---	---
X	152	146	29.24	4,273	26.81	2,243	65	142	28.17	4,001
WHITES	146	144	29.05	4,184	26.68	2,151	60	137	27.98	3,832
HISPANICS	4	---	---	---	---	---	4	---	---	---
BLACKS AND OTHERS	2	---	---	---	---	---	0	---	---	---

NOTES: ZEROS APPEAR WHERE ESTIMATE WAS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.

APPENDIX TABLE 10--HIRED FARMWORKERS WHO DID FARM AND NONFARM WORK: DEMOGRAPHIC CHARACTERISTICS BY AVERAGE NUMBER OF DAYS WORKED AND EARNINGS, 1979

CHARACTERISTICS	THOUSANDS:			FARMWORK			NONFARM WORK			ALL WORK		
	OF WORKERS	AVERAGE DAYS WORKED	AVERAGE DOLLARS EARNED DAILY	ANNUAL	AVERAGE DAYS WORKED	AVERAGE DOLLARS EARNED DAILY	ANNUAL	AVERAGE DAYS WORKED	AVERAGE DOLLARS EARNED DAILY	ANNUAL	AVERAGE DAYS WORKED	AVERAGE DOLLARS EARNED DAILY
ALL WORKERS	1,128	60	23.30	1,408	134	30.59	4,093	194	28.32	5,501		
ETHNIC GROUPS AND SEX:												
WHITES	953	60	23.35	1,400	133	31.81	4,245	193	29.19	5,644		
HISPANICS	87	67	23.54	1,588	139	23.29	3,236	206	23.37	4,824		
BLACKS AND OTHERS	88	59	22.44	1,316	133	24.75	3,295	192	24.05	4,611		
MALES	877	65	23.73	1,532	142	32.00	4,555	207	29.42	6,087		
WHITES	770	63	23.64	1,495	142	32.84	4,649	205	30.00	6,145		
HISPANICS	62	69	25.55	1,759	153	24.62	3,768	222	24.91	5,528		
BLACKS AND OTHERS	46	---	---	---	---	---	---	---	---	---		
FEMALES	251	46	21.19	974	104	23.80	2,477	150	23.00	3,450		
WHITES	183	46	21.72	999	99	25.63	2,543	145	24.39	3,542		
HISPANICS	25	---	---	---	---	---	---	---	---	---		
BLACKS AND OTHERS	42	---	---	---	---	---	---	---	---	---		
SEX AND AGE (YEARS):												
14-17	260	33	18.91	624	70	10.35	728	103	13.09	1,351		
18-24	451	58	23.78	1,369	150	30.17	4,521	207	28.40	5,890		
25-34	219	67	25.52	1,705	174	38.53	6,719	241	34.92	8,425		
35-44	103	102	21.52	2,204	151	37.22	5,627	254	30.98	7,831		
45-54	44	---	---	---	---	---	---	---	---	---		
55-64	29	---	---	---	---	---	---	---	---	---		
65 AND OVER	22	---	---	---	---	---	---	---	---	---		
MALES--												
14-17	194	30	17.59	529	69	11.63	808	100	13.43	1,337		
18-24	359	58	24.08	1,405	160	30.74	4,934	219	28.96	6,338		
25-34	168	78	26.25	2,050	191	40.02	7,624	269	36.02	9,674		
35-44	76	114	21.94	2,500	159	40.30	6,410	273	32.64	8,910		
45-54	34	---	---	---	---	---	---	---	---	---		
55-64	25	---	---	---	---	---	---	---	---	---		
65 AND OVER	21	---	---	---	---	---	---	---	---	---		
FEMALES--												
14-17	66	41	21.71	901	73	6.77	492	114	12.20	1,393		
18-24	92	55	22.52	1,230	108	26.91	2,919	163	25.44	4,149		
25-34	51	30	19.12	567	121	30.75	3,727	151	28.47	4,293		
35-44	27	---	---	---	---	---	---	---	---	---		
45-54	9	---	---	---	---	---	---	---	---	---		
55-64	4	---	---	---	---	---	---	---	---	---		
65 AND OVER	1	---	---	---	---	---	---	---	---	---		
HOUSEHOLD AND MIGRANT STATUS:												
HOUSEHOLD HEADS	502	75	24.80	1,852	176	36.09	6,337	250	32.72	8,190		
MIGRATORY	68	68	26.91	1,821	164	36.69	5,999	231	33.83	7,820		
NONMIGRATORY	435	76	24.50	1,857	177	36.00	6,399	253	32.56	8,247		
OTHER HOUSEHOLD MEMBERS	626	49	21.47	1,051	100	22.86	2,293	149	22.40	3,344		
MIGRATORY	52	43	23.93	1,029	119	24.87	2,962	162	24.62	3,991		
NONMIGRATORY	574	49	21.27	1,053	99	22.64	2,232	148	22.18	3,285		
YEARS OF EDUCATION COMPLETED BY WORKERS												
25 AND OVER	417	81	24.05	1,938	156	36.69	5,726	237	32.39	7,665		
0-4	27	---	---	---	---	---	---	---	---	---		
5-8	83	90	24.00	2,163	137	27.33	3,757	228	26.01	5,920		
9-11	58	75	21.76	1,629	121	29.99	3,641	196	26.85	5,270		
12	111	80	30.26	2,411	171	41.48	7,088	251	37.91	9,499		
13 AND OVER	138	71	20.64	1,465	182	40.77	7,410	253	35.12	8,875		

NOTE: DASHES INDICATE THE BASE WAS LESS THAN 50,000 PERSONS.

APPENDIX TABLE 11--HIRED FARMWORKERS WHO DID FARM AND NONFARM WORK: EMPLOYMENT CHARACTERISTICS BY AVERAGE NUMBER OF DAYS WORKED AND EARNINGS, 1979

CHARACTERISTICS	THOUSANDS:		FARMWORK		NONFARM WORK		ALL WORK			
	OF	AVERAGE	DOLLARS	EARNED	AVERAGE	DOLLARS	AVERAGE	DOLLARS		
	WORKERS	DAYS	DAILY	ANNUAL	DAYS	DAILY	DAYS	DAILY	ANNUAL	
	WORKED	WORKED	WORKED	WORKED	WORKED	WORKED	WORKED	WORKED	WORKED	
ALL WORKERS	1,128	60	23.30	1,408	134	30.59	4,093	194	28.32	5,501
PRIMARY EMPLOYMENT STATUS:										
FARMWORK	139	157	25.51	3,998	85	27.48	2,328	241	26.20	6,325
HIRED FARMWORK	103	181	25.33	4,579	75	24.07	1,808	256	24.96	6,388
WITHOUT NONFARM WORK	0									
WITH NONFARM WORK	1,128	60	23.30	1,408	134	30.59	4,093	194	28.32	5,501
OTHER FARMWORK 1/	36	--	--	--	--	--	--	--	--	--
NONFARM WORK	496	53	23.04	1,210	202	35.35	7,138	254	32.81	8,348
UNEMPLOYMENT	26	--	--	--	--	--	--	--	--	--
NOT IN LABOR FORCE	467	39	21.35	834	79	18.92	1,493	118	19.73	2,327
KEEPING HOUSE	37	--	--	--	72	21.56	1,550	123	19.60	2,419
ATTENDING SCHOOL	397	35	20.73	729	80	17.90	1,433	115	18.77	2,162
OTHER	32	--	--	--	--	--	--	--	--	--
RESIDENCE, SEX, AND DAYS OF FARMWORK (DAYS):										
ALL WORKERS--										
LESS THAN 25	543	8	20.62	164	147	29.79	4,377	155	29.32	4,541
25-74	285	46	24.35	1,110	130	30.01	3,908	176	28.54	5,019
75-149	139	100	21.33	2,130	115	33.17	3,801	214	27.66	5,932
150-249	112	196	23.65	4,645	120	33.04	3,953	316	27.21	8,598
250 AND OVER	50	301	24.47	7,374	97	32.78	3,184	399	26.49	10,558
NONFARM RESIDENCE	989	58	23.59	1,363	137	30.50	4,175	195	28.45	5,537
LESS THAN 25	487	8	21.35	169	150	30.01	4,508	158	29.57	4,677
25-74	248	46	24.88	1,150	132	29.24	3,854	178	28.11	5,004
75-149	120	100	20.47	2,049	114	31.58	3,586	214	26.38	5,636
150-249	96	195	24.71	4,806	128	33.53	4,290	322	28.21	9,996
250 AND OVER	38	--	--	--	--	--	--	--	--	--
MALES--										
LESS THAN 25	419	8	21.59	170	154	30.64	4,720	162	30.20	4,890
25-74	208	47	25.16	1,172	145	32.88	4,773	192	31.00	5,945
75-149	108	99	21.56	2,141	127	34.91	4,442	227	29.05	6,583
150-249	96	198	24.99	4,940	123	33.11	4,069	321	28.10	9,009
250 AND OVER	46	--	--	--	--	--	--	--	--	--
FEMALES--										
LESS THAN 25	124	8	17.48	144	123	26.18	3,215	131	25.63	3,359
25-74	77	43	21.99	945	90	17.54	1,576	133	18.98	2,521
75 AND OVER	50	144	21.35	3,077	80	25.59	2,035	224	22.86	5,111
MIGRATORY STATUS AND DAYS OF FARMWORK (DAYS):										
MIGRATORY	120	57	25.94	1,476	144	32.45	4,679	201	30.60	6,155
LESS THAN 25	41	--	--	--	--	--	--	--	--	--
25-74	49	--	--	--	--	--	--	--	--	--
75-149	18	--	--	--	--	--	--	--	--	--
150 AND OVER	11	--	--	--	--	--	--	--	--	--
NONMIGRATORY	1,008	61	23.01	1,400	133	30.35	4,024	193	28.04	5,423
LESS THAN 25	502	8	20.40	164	146	29.29	4,264	154	28.82	4,428
25-149	356	64	22.10	1,413	122	30.86	3,760	186	27.85	5,173
150-249	102	196	23.41	4,578	123	33.53	4,132	319	27.32	8,710
250 AND OVER	48	--	--	--	--	--	--	--	--	--

NOTES: ZEROS APPEAR WHERE ESTIMATES WERE LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 12--HIRED FARMWORKERS WHO DID FARM AND NONFARM WORK: REGIONS AND RACIAL/
ETHNIC GROUPS BY AVERAGE NUMBER OF DAYS WORKED AND EARNINGS, 1979

CHARACTERISTICS	FARMWORK				NONFARM WORK				ALL WORK		
	: THOUSANDS : : OF : : WORKERS :	: AVERAGE : : DAYS : : WORKED :	: DOLLARS EARNED :		: AVERAGE : : DAYS : : WORKED :	: DOLLARS EARNED :		: AVERAGE : : DAYS : : WORKED :	: DOLLARS EARNED :		
			: DAILY :	: ANNUAL :		: DAILY :	: ANNUAL :		: DAILY :	: ANNUAL :	
ALL WORKERS	1,128	60	23.30	1,408	134	30.59	4,093	194	28.32	5,501	
CENSUS REGIONS:											
NORTHEAST	70	56	16.73	935	130	34.47	4,465	185	29.12	5,399	
WHITES	65	55	16.87	935	123	35.37	4,366	179	29.64	5,371	
HISPANICS	0										
BLACKS AND OTHERS	6	--	---	---	---	---	---	---	---	---	
NORTH CENTRAL	392	59	24.06	1,429	127	33.76	4,304	187	30.68	5,733	
WHITES	387	60	24.07	1,432	129	33.80	4,348	188	30.72	5,781	
HISPANICS	1	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	4	--	---	---	---	---	---	---	---	---	
SOUTH	423	67	21.92	1,463	145	28.33	4,114	212	26.31	5,577	
WHITES	330	67	21.71	1,447	142	29.61	4,207	209	27.09	5,654	
HISPANICS	35	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	58	59	21.87	1,287	143	23.71	3,384	202	23.17	4,671	
WEST	243	52	26.99	1,414	126	28.77	3,611	178	28.24	5,025	
WHITES	172	50	28.38	1,410	131	30.74	4,037	181	30.09	5,448	
HISPANICS	51	58	23.16	1,335	113	21.77	2,451	170	22.24	3,786	
BLACKS AND OTHERS	20	--	---	---	---	---	---	---	---	---	
STANDARD FEDERAL REGIONS:											
I	27	--	---	---	---	---	---	---	---	---	
WHITES	27	--	---	---	---	---	---	---	---	---	
HISPANICS	0										
BLACKS AND OTHERS *	0										
II	34	--	---	---	---	---	---	---	---	---	
WHITES	29	--	---	---	---	---	---	---	---	---	
HISPANICS	0										
BLACKS AND OTHERS	6	--	---	---	---	---	---	---	---	---	
III	46	--	---	---	---	---	---	---	---	---	
WHITES	40	--	---	---	---	---	---	---	---	---	
HISPANICS	0										
BLACKS AND OTHERS	6	--	---	---	---	---	---	---	---	---	
IV	203	66	21.25	1,407	134	25.37	3,403	200	24.01	4,810	
WHITES	157	67	21.15	1,420	133	26.91	3,567	200	24.98	4,987	
HISPANICS	2	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	45	--	---	---	---	---	---	---	---	---	
V	242	61	21.91	1,346	127	32.34	4,099	188	28.93	5,445	
WHITES	240	62	21.90	1,358	128	32.35	4,140	190	28.94	5,499	
HISPANICS	0										
BLACKS AND OTHERS	3	--	---	---	---	---	---	---	---	---	
VI	187	61	22.06	1,350	161	28.89	4,648	222	27.01	5,999	
WHITES	145	58	21.44	1,237	158	29.79	4,707	216	27.56	5,944	
HISPANICS	34	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	8	--	---	---	---	---	---	---	---	---	
VII	134	55	27.41	1,514	129	36.45	4,701	184	33.73	6,215	
WHITES	132	55	27.53	1,501	130	36.53	4,759	185	33.87	6,268	
HISPANICS	1	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	1	--	---	---	---	---	---	---	---	---	
VIII	50	57	31.02	1,770	152	30.38	4,631	209	30.56	6,401	
WHITES	44	--	---	---	---	---	---	---	---	---	
HISPANICS	5	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	1	--	---	---	---	---	---	---	---	---	
IX	117	62	27.85	1,716	126	26.22	3,301	188	26.75	5,016	
WHITES	55	61	31.85	1,947	147	29.34	4,325	209	30.08	6,272	
HISPANICS	45	--	---	---	---	---	---	---	---	---	
BLACKS AND OTHERS	17	--	---	---	---	---	---	---	---	---	
X	88	41	23.33	950	108	32.50	3,523	149	29.99	4,472	
WHITES	85	41	23.60	961	108	32.05	3,472	149	29.74	4,433	
HISPANICS	0										
BLACKS AND OTHERS	2	--	---	---	---	---	---	---	---	---	

NOTES: ZEROS APPEAR WHERE ESTIMATES WERE LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.

APPENDIX TABLE 13--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF DAILY FARM EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979

CHARACTERISTICS	:THOUSANDS:		DAILY FARM EARNINGS								: MEDIAN EARNINGS (DOLLARS)
	: OF	: LESS THAN:	: \$8.00-	: \$11.00-	: \$14.00-	: \$17.00-	: \$20.00-	: \$23.00-	: \$26.00		
	: WORKERS	: \$3.00	: 10.99	: 13.99	: 16.99	: 19.99	: 22.99	: 25.99	: AND OVER		
PERCENT											
ALL WORKERS	2,652	8	9	7	10	6	12	14	32	20.99	
ETHNIC GROUPS AND SEX:											
WHITES	1,976	10	10	9	10	7	13	14	28	20.24	
HISPANICS	320	2	7	4	6	5	10	14	53	27.13	
BLACKS AND OTHERS	355	7	6	3	15	6	11	17	34	22.85	
MALES	2,075	8	9	7	10	5	12	14	34	21.88	
WHITES	1,596	9	10	8	10	6	13	14	30	20.42	
HISPANICS	222	3	8	4	6	5	8	12	55	27.56	
BLACKS AND OTHERS	258	5	5	1	13	5	12	17	41	24.24	
FEMALES	576	9	10	8	13	9	12	15	24	19.95	
WHITES	381	10	12	9	12	11	12	15	19	18.19	
HISPANICS	98	0	5	6	5	3	13	18	50	26.26	
BLACKS AND OTHERS	98	14	7	8	20	11	9	15	16	16.97	
PRIMARY EMPLOYMENT STATUS:											
FARMWORK	849	4	7	7	6	4	9	14	49	25.48	
HIRED FARMWORK	759	4	7	7	6	4	9	14	50	25.94	
WITHOUT NONFARM WORK	656	4	8	7	5	4	8	13	51	26.30	
WITH NONFARM WORK	193	3	3	8	10	3	13	18	43	24.43	
OTHER FARMWORK 1/	90	7	10	10	5	3	13	18	35	23.64	
NONFARM WORK	496	8	10	5	12	5	11	15	34	22.03	
UNEMPLOYED	48	--	--	--	--	--	--	--	--	--	
NOT IN LABOR FORCE	1,259	12	10	8	13	8	15	14	20	18.96	
KEEPING HOUSE	176	10	8	6	12	10	18	14	22	20.09	
ATTENDING SCHOOL	956	13	11	9	12	8	15	15	17	18.33	
OTHER	127	6	8	5	18	5	10	7	40	21.62	
AGE (YEARS):											
14-17	707	16	11	9	14	8	13	14	15	16.63	
18-24	802	6	9	6	8	6	13	17	35	23.16	
25-34	458	5	10	7	11	4	11	12	41	23.17	
35-44	281	6	6	6	5	5	10	18	43	24.34	
45-54	162	6	1	10	7	4	8	15	50	25.69	
55-64	128	7	11	4	9	12	12	8	36	20.25	
65 AND OVER	114	4	13	11	18	4	16	6	28	19.84	
DAYS OF FARMWORK:											
LESS THAN 25	898	9	13	7	13	6	16	15	20	19.92	
25-74	672	8	8	7	11	7	12	14	32	21.24	
75-149	323	9	9	6	8	7	10	14	37	22.57	
150-249	335	6	5	8	9	6	9	15	43	24.74	
250 AND OVER	423	8	7	8	5	6	8	12	45	24.24	
HOUSEHOLD AND MIGRANT STATUS:											
HOUSEHOLD HEADS	1,124	5	8	5	7	5	10	14	46	24.93	
MIGRATORY	106	1	11	0	7	3	9	23	46	25.54	
NONMIGRATORY	1,018	5	7	6	7	5	11	13	46	24.80	
OTHER HOUSEHOLD MEMBERS	1,528	11	10	9	13	8	13	15	22	19.86	
MIGRATORY	111	7	7	8	9	6	10	12	40	23.63	
NONMIGRATORY	1,417	11	11	9	13	8	13	15	21	19.15	
CENSUS REGIONS:											
NORTHEAST	188	10	19	10	10	8	7	13	22	16.63	
WHITES	176	11	21	9	11	6	8	14	20	16.31	
HISPANICS	2	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--	
NORTH CENTRAL	785	8	12	11	11	7	14	12	27	20.01	
WHITES	768	8	12	11	10	7	14	11	27	20.00	
HISPANICS	1	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	16	--	--	--	--	--	--	--	--	--	
SOUTH	1,071	10	7	6	13	7	12	15	29	20.33	
WHITES	696	12	9	7	12	8	12	15	25	20.04	
HISPANICS	194	3	4	5	11	7	12	17	40	23.72	
BLACKS AND OTHERS	271	8	5	2	17	6	14	15	33	21.34	
WEST	607	5	6	5	5	4	11	17	48	25.27	
WHITES	336	6	6	6	6	4	14	18	41	24.25	
HISPANICS	213	1	8	4	3	3	9	12	59	28.94	
BLACKS AND OTHERS	58	6	4	4	8	5	2	26	43	24.96	

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APPENDIX TABLE 13--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF DAILY FARM EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979--CONTINUED

CHARACTERISTICS	:THOUSANDS:		DAILY FARM EARNINGS								: MEDIAN :EARNINGS :(DOLLARS)
	: OF	: LESS THAN: \$8.00-	: \$11.00-	: \$14.00-	: \$17.00-	: \$20.00-	: \$23.00-	: \$26.00-			
	: WORKERS	: \$8.00	: 10.99	: 13.99	: 16.99	: 19.99	: 22.99	: 25.99	: AND OVER		
PERCENT											
STANDARD FEDERAL REGIONS:											
I	65	17	16	5	9	10	8	27	17.59		
WHITES	65	17	16	5	9	10	8	26	17.43		
HISPANICS	0										
BLACKS AND OTHERS	0										
II	85	2	23	10	12	7	15	25	19.27		
WHITES	73	3	26	7	13	2	17	23	19.31		
HISPANICS	2	--	--	--	--	--	--	--	--		
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--		
III	118	17	15	9	11	5	14	21	16.50		
WHITES	108	16	16	9	12	6	12	20	15.72		
HISPANICS	0										
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--		
IV	608	9	6	7	13	9	14	28	20.17		
WHITES	400	10	6	10	13	10	14	23	19.95		
HISPANICS	3	--	--	--	--	--	--	--	--		
BLACKS AND OTHERS	205	8	5	2	15	7	15	35	22.18		
V	488	9	13	13	11	6	14	23	18.40		
WHITES	480	10	13	13	10	6	14	24	18.44		
HISPANICS	0										
BLACKS AND OTHERS	8	--	--	--	--	--	--	--	--		
VI	403	10	9	4	12	6	11	30	21.80		
WHITES	237	14	12	4	10	7	9	18	20.26		
HISPANICS	110	1	4	6	11	7	13	41	23.71		
BLACKS AND OTHERS	56	9	6	2	25	2	16	24	20.07		
VII	261	7	9	7	11	8	13	32	20.59		
WHITES	254	7	10	8	11	8	13	31	20.45		
HISPANICS	1	--	--	--	--	--	--	--	--		
BLACKS AND OTHERS	6	--	--	--	--	--	--	--	--		
VIII	107	5	12	4	7	6	14	38	23.17		
WHITES	95	5	11	4	8	6	16	38	23.51		
HISPANICS	8	--	--	--	--	--	--	--	--		
BLACKS AND OTHERS	4	--	--	--	--	--	--	--	--		
IX	364	3	5	4	5	4	9	56	27.72		
WHITES	119	5	--	5	6	4	14	53	28.43		
HISPANICS	192	1	8	3	3	4	8	61	29.49		
BLACKS AND OTHERS	54	6	5	3	9	4	2	44	25.10		
X	152	8	6	8	5	2	12	36	23.87		
WHITES	146	8	7	7	5	2	12	35	23.81		
HISPANICS	4	--	--	--	--	--	--	--	--		
BLACKS AND OTHERS	2	--	--	--	--	--	--	--	--		

NOTES: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 14--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF TOTAL ANNUAL EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979

CHARACTERISTICS	TOTAL ANNUAL EARNINGS										: MEDIAN : EARNINGS : (DOLLARS)
	: THOUSANDS:	: OF	: LESS THAN:	: \$500-	: \$1,000-	: \$2,500	: \$4,000-	: \$5,500-	: \$7,500-	: \$10,000	
	: WORKERS	: \$500	: 999	: 2,499	: 3,999	: 5,499	: 7,499	: 9,999	: AND OVER		
PERCENT											
ALL WORKERS	2,652	20	13	18	11	10	9	8	12	2,410	
ETHNIC GROUPS AND SEX:											
WHITES	1,976	21	14	18	10	9	7	8	14	2,225	
HISPANICS	320	10	9	16	14	14	12	13	12	4,155	
BLACKS AND OTHERS	355	20	11	25	12	9	13	6	4	1,682	
MALES	2,075	18	11	17	11	10	9	10	15	2,978	
WHITES	1,596	19	12	16	10	9	8	10	16	2,837	
HISPANICS	222	6	7	13	12	14	14	18	16	5,324	
BLACKS AND OTHERS	258	17	9	27	12	9	14	8	5	2,153	
FEMALES	576	27	20	23	11	10	5	1	4	1,140	
WHITES	381	28	23	23	8	9	3	1	6	957	
HISPANICS	98	18	13	23	18	16	9	0	4	2,163	
BLACKS AND OTHERS	98	31	14	23	13	7	10	2	0	1,187	
PRIMARY EMPLOYMENT STATUS:											
FARMWORK	849	4	3	16	15	15	16	15	15	5,143	
HIRED FARMWORK	759	2	2	17	16	15	17	16	16	5,481	
WITHOUT NONFARM WORK	656	2	2	17	16	14	17	16	16	5,492	
WITH NONFARM WORK	103	0	1	15	14	21	20	13	16	5,438	
OTHER FARMWORK 1/ NONFARM WORK	90	27	11	14	10	16	9	9	6	2,070	
UNEMPLOYED	496	1	2	12	9	14	11	14	37	7,685	
NOT IN LABOR FORCE	48	--	--	--	--	--	--	--	--	--	
KEEPING HOUSE	1,259	37	24	22	8	5	2	1	2	737	
ATTENDING SCHOOL	176	43	20	24	4	6	3	0	0	622	
OTHER	956	37	25	23	7	3	2	1	1	727	
	127	28	17	18	18	12	0	2	5	1,511	
AGE (YEARS):											
14-17	707	43	29	20	4	1	2	1	0	619	
18-24	802	11	8	21	14	11	9	11	14	3,370	
25-34	458	8	6	11	13	12	9	15	25	5,399	
35-44	281	9	4	21	7	15	14	9	21	4,900	
45-54	162	10	6	14	12	16	16	12	15	4,767	
55-64	128	18	5	18	13	16	14	6	10	3,703	
65 AND OVER	114	18	13	22	18	14	0	5	2	2,116	
DAYS OF FARMWORK:											
LESS THAN 25	898	47	10	14	4	5	5	5	9	609	
25-74	672	13	31	30	9	3	2	4	7	1,181	
75-149	323	1	8	34	25	14	6	2	10	2,755	
150-249	335	0	1	9	16	28	20	12	14	5,368	
250 AND OVER	423	0	2	6	11	12	17	25	27	7,696	
HOUSEHOLD AND MIGRANT STATUS:											
HOUSEHOLD HEADS	1,124	6	4	15	11	13	13	15	23	5,752	
MIGRATORY	106	5	5	14	7	13	17	11	28	6,452	
NONMIGRATORY	1,018	7	4	15	11	13	13	15	23	5,672	
OTHER HOUSEHOLD MEMBERS	1,528	29	19	21	11	7	5	4	4	1,098	
MIGRATORY	111	15	21	26	17	9	3	1	9	1,748	
NONMIGRATORY	1,417	30	19	21	10	7	5	4	4	1,036	
CENSUS REGIONS:											
NORTHEAST	188	22	18	13	10	11	10	7	10	2,207	
WHITES	176	22	19	12	9	12	9	7	11	2,059	
HISPANICS	2	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--	
NORTH CENTRAL	785	25	14	17	10	9	5	7	14	2,081	
WHITES	768	24	13	17	9	9	5	7	14	2,090	
HISPANICS	1	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	16	--	--	--	--	--	--	--	--	--	
SOUTH	1,071	19	14	21	10	10	10	7	10	2,152	
WHITES	696	19	14	20	10	9	8	7	13	2,136	
HISPANICS	104	10	14	13	14	17	14	9	10	3,825	
BLACKS AND OTHERS	271	21	12	28	9	9	12	6	3	1,465	
WEST	607	14	9	17	13	10	9	12	15	3,715	
WHITES	336	16	12	17	11	9	8	11	18	3,296	
HISPANICS	213	10	6	18	13	13	12	15	13	4,557	
BLACKS AND OTHERS	58	17	6	19	23	10	11	8	7	3,330	

CONTINUED--

APPENDIX TABLE 14--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF TOTAL ANNUAL EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979--CONTINUED

CHARACTERISTICS	TOTAL ANNUAL EARNINGS									
	PERCENT									
	THOUSANDS OF WORKERS	LESS THAN \$500	\$500- 999	\$1,000- 2,499	\$2,500- 3,999	\$4,000- 5,499	\$5,500- 7,499	\$7,500- 9,999	\$10,000 AND OVER	MEDIAN EARNINGS (\$DOLLARS)
STANDARD FEDERAL REGIONS:										
I	65	30	19	12	5	14	10	4	6	1,017
WHITES	65	30	19	12	5	14	10	4	6	1,009
HISPANICS	0									
BLACKS AND OTHERS	0									
II	85	10	22	9	10	12	11	13	13	3,740
WHITES	73	10	26	8	8	14	7	12	15	3,764
HISPANICS	2	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--
III	118	21	5	27	13	9	6	4	16	2,137
WHITES	108	20	5	30	12	9	7	2	16	2,102
HISPANICS	0									
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--
IV	609	20	15	22	12	9	10	5	6	1,801
WHITES	400	23	16	16	13	10	9	5	9	2,023
HISPANICS	3	--	--	--	--	--	--	--	--	1,529
BLACKS AND OTHERS	205	15	12	35	10	9	12	6	1	1,464
V	489	25	14	16	11	9	4	8	12	2,089
WHITES	480	25	14	16	11	9	4	8	13	2,102
HISPANICS	0									
BLACKS AND OTHERS	8	--	--	--	--	--	--	--	--	--
VI	403	17	13	17	8	11	10	11	14	2,889
WHITES	237	16	13	21	7	7	8	12	16	2,406
HISPANICS	110	9	14	12	14	19	12	11	10	4,182
BLACKS AND OTHERS	56	41	9	8	3	10	14	4	11	765
VII	261	25	12	19	7	8	7	5	17	2,088
WHITES	254	25	12	19	6	8	7	5	18	2,065
HISPANICS	1	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	6	--	--	--	--	--	--	--	--	--
VIII	107	15	11	17	10	8	13	11	15	3,611
WHITES	95	13	10	16	11	8	14	11	17	4,002
HISPANICS	8	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	4	--	--	--	--	--	--	--	--	--
IX	364	13	7	15	15	12	9	13	15	3,939
WHITES	119	15	11	12	12	11	2	14	22	3,920
HISPANICS	192	10	6	17	14	13	13	13	14	4,574
BLACKS AND OTHERS	54	17	5	17	25	11	11	9	5	3,353
X	152	15	14	23	10	8	6	10	15	2,146
WHITES	146	16	14	23	9	8	7	9	14	2,085
HISPANICS	4	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	2	--	--	--	--	--	--	--	--	--

NOTES: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 15--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF ANNUAL FARM EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979

CHARACTERISTICS	TOTAL ANNUAL FARM EARNINGS										MEDIAN EARNINGS
	THOUSANDS OF	LESS THAN:	\$500-	\$1,000-	\$2,500-	\$4,000-	\$5,500-	\$7,500-	\$10,000		
	WORKERS	\$500	999	\$2,499	3,999	5,499	7,499	9,999	AND OVER	(DOLLARS)	
PERCENT											
ALL WORKERS	2,652	37	15	17	9	6	6	6	4	918	
ETHNIC GROUPS AND SEX:											
WHITES	1,976	42	15	16	8	6	4	5	4	731	
HISPANICS	320	17	16	12	12	12	10	12	9	2,792	
BLACKS AND OTHERS	355	32	12	25	10	6	10	3	2	1,414	
MALES	2,075	35	12	17	9	7	7	7	5	1,177	
WHITES	1,596	40	13	16	9	6	5	6	5	830	
HISPANICS	222	15	12	12	10	11	12	17	11	4,036	
BLACKS AND OTHERS	258	22	12	28	11	7	12	5	3	1,451	
FEMALES	576	45	22	16	7	5	2	0	1	566	
WHITES	381	47	24	17	5	3	1	0	1	522	
HISPANICS	98	21	26	13	16	14	5	0	4	1,236	
BLACKS AND OTHERS	98	59	11	16	8	3	4	0	0	348	
PRIMARY EMPLOYMENT STATUS:											
FARMWORK	849	6	4	18	15	13	16	15	12	4,829	
HIRED FARMWORK	759	2	3	18	17	13	17	16	14	5,250	
WITHOUT NONFARM WORK	656	2	2	16	16	14	17	16	16	5,492	
WITH NONFARM WORK	103	1	6	25	19	13	18	15	3	3,916	
OTHER FARMWORK 1/	90	41	16	19	5	7	3	8	0	762	
NONFARM WORK	496	51	15	18	8	4	1	2	0	486	
UNEMPLOYED	48	--	--	--	--	--	--	--	--	--	
NOT IN LABOR FORCE	1,259	53	22	15	5	3	1	1	0	449	
KEEPING HOUSE	176	53	20	19	5	4	1	0	0	487	
ATTENDING SCHOOL	956	56	22	14	3	2	1	0	1	380	
OTHER	127	33	20	15	16	10	1	3	1	918	
AGE (YEARS):											
14-17	707	57	24	13	3	1	1	0	0	363	
18-24	802	35	15	19	10	5	5	6	3	953	
25-34	458	34	9	13	10	8	7	12	7	1,589	
35-44	281	20	6	26	11	13	9	6	9	2,267	
45-54	162	17	8	14	13	15	14	9	10	3,734	
55-64	128	26	6	17	13	14	11	6	6	2,514	
65 AND OVER	114	29	13	19	18	9	0	1	2	1,624	
DAYS OF FARMWORK:											
LESS THAN 25	898	94	6	0	0	0	0	0	0	127	
25-74	672	19	42	36	3	0	0	0	0	863	
75-149	323	3	13	42	28	10	2	0	0	2,148	
150-249	335	1	2	11	24	25	21	12	2	4,645	
250 AND OVER	423	0	2	6	12	13	17	25	25	7,437	
HOUSEHOLD AND MIGRANT STATUS:											
HOUSEHOLD HEADS	1,124	26	8	19	10	9	10	10	8	2,021	
MIGRATORY	106	31	5	21	10	11	9	5	5	1,549	
NONMIGRATORY	1,018	26	8	19	10	9	10	10	9	2,065	
OTHER HOUSEHOLD MEMBERS	1,528	45	20	15	8	5	3	2	1	605	
MIGRATORY	111	25	33	18	15	6	2	1	1	932	
NONMIGRATORY	1,417	47	19	15	8	4	3	2	1	556	
CENSUS REGIONS:											
NORTHEAST	188	37	18	14	10	5	5	6	3	820	
WHITES	176	37	19	14	9	5	4	6	3	820	
HISPANICS	2	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--	
NORTH CENTRAL	785	46	15	13	8	5	4	4	4	563	
WHITES	768	46	15	13	8	5	3	5	4	562	
HISPANICS	1	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	16	--	--	--	--	--	--	--	--	--	
SOUTH	1,071	34	16	21	8	7	6	4	3	978	
WHITES	696	39	16	20	8	7	5	4	3	834	
HISPANICS	104	15	27	11	15	11	9	8	4	1,648	
BLACKS AND OTHERS	271	31	12	28	8	6	9	3	2	1,419	
WEST	607	31	10	15	10	8	8	10	8	1,574	
WHITES	336	39	10	15	9	6	5	8	7	1,049	
HISPANICS	213	17	11	13	10	12	11	13	11	3,852	
BLACKS AND OTHERS	58	31	10	15	16	8	12	5	3	1,745	

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APPENDIX TABLE 15--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF ANNUAL FARM EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979--CONTINUED

CHARACTERISTICS	TOTAL ANNUAL FARM EARNINGS										: MEDIAN EARNINGS (DOLLARS)
	: THOUSANDS:	: LESS THAN:	: \$500-	: \$1,000-	: \$2,500-	: \$4,000-	: \$5,500-	: \$7,500-	: \$10,000		
	: WORKERS	: \$500	: 999	: \$2,499	: 3,999	: 5,499	: 7,499	: 9,999	: AND OVER		
PERCENT											
STANDARD FEDERAL REGIONS:											
I	65	43	19	13	5	6	5	2	3	735	
WHITES	65	44	19	13	5	7	6	2	3	728	
HISPANICS	9										
BLACKS AND OTHERS	0										
II	85	29	20	17	13	4	1	11	2	1,108	
WHITES	73	27	21	18	11	5	0	12	3	1,132	
HISPANICS	2	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--	
III	118	33	10	26	8	7	6	2	5	1,481	
WHITES	108	32	11	25	7	8	7	2	6	1,499	
HISPANICS	9										
BLACKS AND OTHERS	10	--	--	--	--	--	--	--	--	--	
IV	608	33	17	21	9	7	6	4	2	995	
WHITES	490	37	19	14	10	7	5	4	3	839	
HISPANICS	4	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	205	26	13	35	8	5	9	4	1	1,429	
V	488	47	16	12	9	5	3	5	3	545	
WHITES	480	47	16	12	8	5	3	5	3	545	
HISPANICS	9										
BLACKS AND OTHERS	8	--	--	--	--	--	--	--	--	--	
VI	403	38	15	18	7	7	7	5	3	936	
WHITES	237	46	11	24	5	4	4	3	2	655	
HISPANICS	110	14	27	10	13	13	8	10	3	1,844	
BLACKS AND OTHERS	56	47	11	4	3	10	14	2	8	544	
VII	261	48	12	15	7	6	5	3	5	578	
WHITES	254	48	13	15	7	5	5	3	5	554	
HISPANICS	1	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	6	--	--	--	--	--	--	--	--	--	
VIII	107	34	14	15	8	6	11	6	6	1,058	
WHITES	95	31	13	15	8	6	12	6	6	1,186	
HISPANICS	8	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	4	--	--	--	--	--	--	--	--	--	
IX	364	25	10	13	13	10	9	10	16	2,701	
WHITES	119	35	7	13	14	9	2	9	10	1,642	
HISPANICS	192	17	11	13	11	12	12	13	12	3,884	
BLACKS AND OTHERS	54	31	10	13	17	8	13	5	3	1,978	
X	152	43	12	19	6	3	2	9	4	656	
WHITES	146	44	13	18	5	3	2	8	4	612	
HISPANICS	4	--	--	--	--	--	--	--	--	--	
BLACKS AND OTHERS	2	--	--	--	--	--	--	--	--	--	

NOTES: ZEROS APPEAR WHERE THE ESTIMATE WAS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 16--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF ANNUAL NONFARM EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979

CHARACTERISTICS	TOTAL ANNUAL NONFARM EARNINGS										MEDIAN EARNINGS
	THOUSANDS OF WORKERS	OF LESS THAN \$500	\$500-999	\$1,000-2,499	\$2,500-3,999	\$4,000-5,499	\$5,500-7,499	\$7,500-9,999	\$10,000 AND OVER		
										PERCENT	
ALL WORKERS	1,128	22	10	23	8	8	8	7	14		1,994
ETHNIC GROUPS AND SEX:											
WHITES	953	23	10	22	7	7	7	8	15		1,992
HISPANICS	87	9	10	43	14	6	6	5	6		1,944
BLACKS AND OTHERS	88	21	10	23	9	14	15	2	6		2,021
MALES	877	20	10	21	8	8	8	9	16		2,301
WHITES	770	21	10	19	7	8	8	9	17		2,286
HISPANICS	62	7	8	45	9	6	9	8	9		2,268
BLACKS AND OTHERS	46	--	--	--	--	--	--	--	--		--
FEMALES	251	30	12	30	9	7	8	1	6		1,350
WHITES	183	35	9	31	8	6	3	2	8		1,191
HISPANICS	25	--	--	--	--	--	--	--	--		--
BLACKS AND OTHERS	42	--	--	--	--	--	--	--	--		--
PRIMARY EMPLOYMENT STATUS:											
FARMWORK	139	21	13	38	10	7	6	3	2		1,324
HIRED FARMWORK	103	24	16	39	10	4	4	2	1		1,131
WITHOUT NONFARM WORK	0	--	--	--	--	--	--	--	--		--
WITH NONFARM WORK	103	24	16	39	10	4	4	2	1		1,131
OTHER FARMWORK 1/	36	--	--	--	--	--	--	--	--		--
NONFARM WORK	496	4	3	14	9	13	12	15	29		6,446
UNEMPLOYED	26	--	--	--	--	--	--	--	--		--
NOT IN LABOR FORCE	467	41	16	28	6	2	4	1	2		663
KEEPING HOUSE	37	--	--	--	--	--	--	--	--		--
ATTENDING SCHOOL	397	44	16	26	7	2	3	1	2		601
OTHER	32	--	--	--	--	--	--	--	--		--
AGE (YEARS):											
14-17	260	60	16	19	2	1	1	0	0		341
18-24	451	9	10	30	10	9	10	9	14		2,543
25-34	219	11	2	17	11	11	7	10	30		5,105
35-44	103	15	9	13	11	8	13	12	20		4,077
45-54	44	--	--	--	--	--	--	--	--		--
55-64	29	--	--	--	--	--	--	--	--		--
65 AND OVER	22	--	--	--	--	--	--	--	--		--
DAYS OF FARMWORK:											
LESS THAN 25	543	22	9	23	6	9	8	7	15		2,101
25-74	285	20	12	24	13	6	8	6	15		1,825
75-149	139	27	12	16	12	7	3	12	11		1,824
150-249	112	13	12	32	9	10	7	6	10		1,869
250 AND OVER	50	39	8	21	8	0	10	4	10		1,014
HOUSEHOLD AND MIGRANT STATUS:											
HOUSEHOLD HEADS	502	7	5	19	9	12	11	13	24		5,092
MIGRATORY	68	6	4	30	5	8	10	14	24		4,999
NONMIGRATORY	435	7	5	17	10	13	11	13	24		5,107
OTHER HOUSEHOLD MEMBERS	626	34	14	27	7	4	5	2	6		1,010
MIGRATORY	52	27	21	19	8	9	3	--	12		1,309
NONMIGRATORY	574	35	14	28	7	4	5	3	5		1,008
CENSUS REGIONS:											
NORTHEAST	70	27	10	14	10	7	16	2	15		2,280
WHITES	65	29	9	16	11	7	11	2	16		2,200
HISPANICS	0	--	--	--	--	--	--	--	--		--
BLACKS AND OTHERS	6	--	--	--	--	--	--	--	--		--
NORTH CENTRAL	392	28	8	21	8	4	7	7	17		1,812
WHITES	387	28	8	21	8	4	7	7	17		1,834
HISPANICS	1	--	--	--	--	--	--	--	--		--
BLACKS AND OTHERS	4	--	--	--	--	--	--	--	--		--
SOUTH	423	16	13	23	7	13	8	9	12		2,192
WHITES	330	17	14	22	5	12	6	11	13		2,031
HISPANICS	35	--	--	--	--	--	--	--	--		--
BLACKS AND OTHERS	58	18	12	22	9	19	13	3	5		2,309
WEST	243	22	8	30	10	5	7	6	12		1,847
WHITES	172	24	8	24	10	5	8	6	15		2,017
HISPANICS	51	14	12	48	9	4	3	9	1		1,481
BLACKS AND OTHERS	20	--	--	--	--	--	--	--	--		--

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APPENDIX TABLE 16--ALL HIRED FARMWORKERS: PERCENTAGE DISTRIBUTION OF ANNUAL NONFARM EARNINGS
BY SELECTED CHARACTERISTICS AND REGION, 1979--CONTINUED

CHARACTERISTICS	THOUSANDS:	TOTAL ANNUAL NONFARM EARNINGS								MEDIAN EARNINGS
	OF	LESS THAN:	\$500-	\$1,000-	\$2,500-	\$4,000-	\$5,500-	\$7,500-	\$10,000	
WORKERS		\$500	999	2,499	3,999	5,499	7,499	9,999	AND OVER	(DOLLARS)
PERCENT										
STANDARD FEDERAL REGIONS:										
I	27	--	--	--	--	--	--	--	--	--
WHITES	27	--	--	--	--	--	--	--	--	--
HISPANICS	0									
BLACKS AND OTHERS	0									
II	34	--	--	--	--	--	--	--	--	--
WHITES	29	--	--	--	--	--	--	--	--	--
HISPANICS	0									
BLACKS AND OTHERS	6	--	--	--	--	--	--	--	--	--
III	46	--	--	--	--	--	--	--	--	--
WHITES	40	--	--	--	--	--	--	--	--	--
HISPANICS	0									
BLACKS AND OTHERS	6	--	--	--	--	--	--	--	--	--
IV	203	19	15	21	9	16	6	7	6	1,831
WHITES	157	19	16	22	8	14	5	7	8	1,763
HISPANICS	2	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	45	--	--	--	--	--	--	--	--	--
V	242	29	9	18	10	4	7	7	16	1,655
WHITES	240	29	9	18	10	4	7	7	16	1,693
HISPANICS	0									
BLACKS AND OTHERS	3	--	--	--	--	--	--	--	--	--
VI	187	12	10	26	6	10	8	12	16	3,029
WHITES	145	15	11	22	4	10	7	16	16	3,251
HISPANICS	34	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	8	--	--	--	--	--	--	--	--	--
VII	134	27	6	25	4	4	6	9	19	1,873
WHITES	132	27	6	25	4	4	6	9	20	1,884
HISPANICS	1	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	1	--	--	--	--	--	--	--	--	--
VIII	50	17	11	24	5	5	7	11	16	2,025
WHITES	44	--	--	--	--	--	--	--	--	--
HISPANICS	5	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	1	--	--	--	--	--	--	--	--	--
IX	117	19	8	37	10	3	5	8	7	1,860
WHITES	55	24	5	25	8	0	14	10	14	2,077
HISPANICS	45	--	--	--	--	--	--	--	--	--
BLACKS AND OTHERS	17	--	--	--	--	--	--	--	--	--
X	88	29	8	24	10	8	3	1	17	1,489
WHITES	85	28	8	25	10	9	3	1	16	1,489
HISPANICS	0									
BLACKS AND OTHERS	2	--	--	--	--	--	--	--	--	--

NOTES: ZEROS APPEAR WHERE THE ESTIMATE IS LESS THAN 500. DASHES INDICATE BASE WAS LESS THAN 50,000 PERSONS.
1/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX TABLE 17--MIGRANT HIRED FARMWORKERS: DISTANCES TRAVELED TO PERFORM FARMWORK AND SELECTED CHARACTERISTICS, 1979

CHARACTERISTICS	NUMBER		DISTANCE TRAVELED (MILES) 1/			
	OF	WORKERS	LESS THAN 75	75 TO 499	500 TO 999	1,000 OR MORE
						NOT REPORTED
THOUSANDS						
ALL WORKERS	217	50	93	37	31	7
ETHNIC GROUPS:						
WHITES	136	32	76	16	5	7
HISPANICS	58	9	10	19	20	0
BLACKS AND OTHERS	24	9	7	2	6	0
PRIMARY EMPLOYMENT STATUS:						
FARMWORK	69	17	28	11	13	0
HIRED FARMWORK	63	17	26	9	11	0
WITHOUT NONFARM WORK	46	12	18	9	8	0
WITH NONFARM WORK	16	5	8	0	3	0
OTHER FARMWORK 2/	6	1	3	1	1	0
NONFARM WORK	65	11	37	7	9	2
UNEMPLOYED	2	0	0	2	0	0
NOT IN LABOR FORCE	81	22	28	17	10	5
KEEPING HOUSE	6	0	2	0	5	0
ATTENDING SCHOOL	68	19	24	17	3	4
OTHER	7	2	2	0	2	0
SEX AND AGE (YEARS):						
MALES	165	35	81	23	19	7
14-17	35	10	13	8	2	2
18-24	50	14	28	3	3	2
25-34	34	8	21	3	3	0
35-44	18	0	9	2	5	2
45-54	17	2	7	5	3	0
55 AND OVER	11	2	3	2	4	0
FEMALES	52	14	12	13	12	0
14-17	12	4	2	4	1	0
18-24	23	6	4	7	5	0
25-34	11	2	6	0	3	0
35-44	4	2	0	0	1	0
45-54	3	0	0	1	1	0
55 AND OVER	0	0	0	0	0	0
HOUSEHOLD AND MIGRANT STATUS:						
HOUSEHOLD HEADS	106	24	51	12	17	2
OTHER HOUSEHOLD MEMBERS	111	25	42	24	15	4
DURATION OF FARMWORK (DAYS):						
LESS THAN 25	56	12	33	4	4	3
25-74	80	25	24	23	5	3
75-149	33	8	18	0	7	0
150-249	31	1	12	6	11	2
250 AND OVER	17	4	5	3	5	0
EARNINGS:						
LESS THAN \$500	22	11	3	4	2	2
\$500-999	28	5	12	9	3	0
\$1,000-2,499	43	8	22	7	4	3
\$2,500-3,999	26	13	8	2	4	1
\$4,000-5,499	24	2	6	3	12	0
\$5,500-7,499	21	4	9	4	5	0
\$7,500-9,999	13	1	8	3	0	0
\$10,000 AND OVER	39	6	25	5	2	2
EARNINGS FROM FARMWORK:						
LESS THAN \$500	61	15	32	7	4	3
\$500-999	43	7	17	16	0	2
\$1,000-2,499	43	16	16	7	4	1
\$2,500-3,999	27	9	8	0	10	0
\$4,000-5,499	18	0	6	2	10	0
\$5,500-7,499	12	2	8	0	1	2
\$7,500-9,999	7	0	3	3	0	0
\$10,000 AND OVER	7	0	3	2	2	0
EARNINGS FROM NONFARM WORK:						
LESS THAN \$500	118	34	38	24	20	2
\$500-999	14	2	5	1	3	2
\$1,000-2,499	30	6	17	2	5	1
\$2,500-3,999	7	0	2	4	2	0
\$4,000-5,499	10	2	5	1	1	0
\$5,500-7,499	9	2	3	2	0	2
\$7,500-9,999	9	1	7	1	0	0
\$10,000 AND OVER	22	6	15	2	0	0
CENSUS REGIONS:						
NORTHEAST	12	5	7	0	0	0
NORTH CENTRAL	56	9	31	8	2	6
SOUTH	86	19	22	18	26	1
WEST	63	17	33	11	3	0

NOTE: ZEROS APPEAR WHERE THE ESTIMATES WERE LESS THAN 500.

- 1/ THE DISTANCE TRAVELED BY WORKERS FROM THE TIME THEY LEFT THEIR HOMESITE UNTIL THE TIME THEY REACHED THE PLACE THAT WAS THE LONGEST DISTANCE AWAY FROM THEIR HOME. DISTANCE TRAVELED DOES NOT INCLUDE MILES TO RETURN TO HOMESITE.
- 2/ INCLUDES OPERATING A FARM AND UNPAID FAMILY LABOR.

APPENDIX B: SOURCE
AND RELIABILITY
OF ESTIMATES

The estimates in this report are based on data obtained in December 1979 from supplementary questions in the Current Population Survey (CPS) of the Bureau of the Census.

Sampling Procedures
and Questionnaire
Design

The CPS sample was initially selected from 1970 Census files and is updated periodically to reflect new home construction. This sample includes 614 areas comprising 1,113 counties and independent cities in each State and the District of Columbia but excludes Puerto Rico and other U.S. territories and possessions. Information is collected by trained interviewers from approximately 68,200 U.S. households each month. ^{9/}

The supplementary questions on the December survey were asked of persons 14 years of age or older who performed farmwork for wages or salary during 1979. Questions concerned the number of days of farmwork for wage or salary, migratory status, hired nonfarm work and wages, principal employment status in 1979, residence, and other matters. Not included were persons performing hired farmwork during 1979 but who died, entered the Armed Forces, or were no longer in the civilian noninstitutional population for other reasons. Also, foreign nationals who did hired farmwork in this country and returned to their homes before the field collection were not included.

The estimating procedure used for the CPS data involves the expansion of the sample results to independent estimates of the U.S. civilian noninstitutional population by age, race, and sex. These independent estimates are based on statistics from the 1970 Census of Population; statistics on births, deaths, immigration and emigration; and statistics on the number of people in the Armed Forces.

Reliability of
the Estimates

Since the CPS estimates in this report are based on a sample, they may differ somewhat from the figures that would have been obtained from a complete census even if it had been taken using the same schedules, instructions, and enumerators. There are two types of errors possible in an estimate based on a sample survey--sampling and nonsampling. Sampling standard errors are provided for data in this report, but the extent of nonsampling error is unknown. Consequently, particular care should be exercised in the interpretation of figures based on a relatively small number of cases or on small differences among estimates.

Nonsampling
Variability

As in any survey work, results are subject to errors of response and nonreporting in addition to sampling variability. Nonsampling errors can be attributed to many sources. A partial list

^{9/} For a detailed explanation of CPS sampling procedures, see U.S. Bureau of the Census, The Current Population Survey--A Report on Methodology, Paper 7, U.S. Govt. Print. Off., 1963.

APPENDIX B: SOURCE AND RELIABILITY OF ESTIMATES

would include: inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, respondents' inability or unwillingness to provide correct information, inability of respondents to recall information, mistakes made in recording or coding the data, mistakes made in processing data, mistakes made in estimating values for missing data, and failure to represent all units in the sample.

Sampling Variability Since the size of most nonsampling errors is unknown, the reliability of an estimate is described only in terms of standard errors. These are primarily measures of sampling variability; that is, of the variations that might occur by chance because a sample, rather than the whole of the population, is surveyed. As calculated for this report, the standard error also partially measures the effect of certain response and enumeration errors, but it does not measure any systematic biases in the data. The chances are about 68 out of 100 that an estimate from the sample would differ from a complete census figure by less than the standard error. The chances are about 90 out of 100 that this difference would be less than 1.6 times the standard error, and the chances are about 95 out of 100 that the difference would be less than twice the standard error.

Comparability With Other Data Data obtained from the CPS are not entirely comparable with data obtained from other governmental sources. This is due in large part to differences in survey processes. Therefore, caution should be used when comparing data in this report with data from other sources.

Standard Error Tables and Their Use The figures presented in appendix tables 18 through 22 provide approximations of standard errors of various estimates shown in this report for data on total, White, or Black and Other hired farmworkers. To obtain standard errors for workers of Hispanic origin, multiply the standard errors in appendix tables 18 through 22 by 1.4.

Standard errors for values not shown in the standard errors tables may be approximated by interpolation. To derive standard errors that would be applicable to a wide variety of items and could be prepared at a moderate cost, a number of approximations were required. As a result, the tables of standard errors (along with the factor for persons of Hispanic origin) provide an indication of the size of the standard errors rather than the precise standard error for any specific item.

Standard Errors of Estimated Numbers

Appendix table 18 shows standard errors, σ_x , for estimated numbers of hired farmworkers. Linear interpolation may be used to obtain standard errors for intermediate values not shown in the tables.

Appendix table 18--Standard errors for estimated numbers of hired farmworkers 1/

(68 chances out of 100)

Size of estimate	:	Standard error
	:	
	:	<u>Thousands</u>
	:	
10	:	6
25	:	10
50	:	14
100	:	20
250	:	31
500	:	45
1,000	:	65
2,500	:	109
3,000	:	122
	:	

1/ To obtain approximate standard errors for persons of Hispanic origin, multiply the above standard errors by 1.4.

Alternatively, standard errors can be calculated using the following formula (1) which was used to compute the tabular standard errors. Direct computation will give more accurate results than linear interpolation.

$$\sigma_x = c \sqrt{ax^2 + bx}, \quad (1)$$

where x is the actual size of the estimate (not rounded to thousands); a is 0.000382; b is 3,796; and c is 1.0 for total, White, or Black and Other persons, and 1.4 for persons of Hispanic origin. Formula (1) is used to calculate standard errors for estimated numbers of hired farmworkers only.

Standard Errors of Estimated Percentages

Appendix table 19 shows standard errors of estimated percentages of hired farmworkers. The reliability of an estimated percentage, computed by using sample data for both numerator and the

APPENDIX B: SOURCE AND RELI-
ABILITY OF ESTIMATES

denominator, depends on both the size of the percentage and the size of the total on which the percentage was based. Estimated percentages are relatively more reliable than the corresponding estimates of the numerators of the percentages, particularly if the percentages are 50 percent or more. Linear interpolation may be used to obtain standard errors for intermediate values of the percentages and the base of the percentage shown in appendix table 19. Or standard errors, $\sigma(x,p)$, can be calculated using formula (2). Direct computation will give more accurate results than linear interpolation.

$$\sigma_{(x,p)} = c \sqrt{\frac{b}{x} p (100 - p)}, \quad (2)$$

where x is the actual size (not rounded to thousands) of the subclass of the population which is the base of the percentage; p is the percentage ($0 < p \leq 100$); b is 3,796; and c is 1.0 for total, White, or Black and Other persons and 1.4 for persons of Hispanic origin. Formula (2) is used to calculate standard errors for estimated percentages of hired farmworkers only.

Standard Errors of
Estimated Averages

Averages are subject to large sampling variability since the sample estimates of an average are affected by extreme values. Appendix table 20 shows standard errors of average number of days of hired farmwork, appendix table 21 shows standard errors of average annual earnings, and appendix table 22 shows standard errors of average daily earnings. Linear interpolation may be used to obtain standard errors for intermediate values not shown.

Appendix table 19--Standard errors of percentages of hired farmworkers ^{1/}

(68 chances out of 100)								
Estimated percentage	Base of percentage in thousands							
	25	50	100	250	500	1,000	2,500	3,000
	Percent							
1 or 99	3.9	2.7	1.9	1.2	.9	.6	.4	.4
2 or 98	5.5	3.9	2.7	1.7	1.2	.9	.5	.5
5 or 95	8.5	6.0	4.2	2.7	1.9	1.3	.8	.8
10 or 90	11.7	8.3	5.8	3.7	2.6	1.8	1.2	1.1
15 or 85	13.9	9.8	7.0	4.4	3.1	2.2	1.4	1.3
25 or 75	16.9	11.9	8.4	5.3	3.8	2.7	1.7	1.5
50	19.5	13.8	9.7	6.2	4.4	3.1	1.9	1.8

^{1/} To obtain approximate standard errors for persons of Hispanic origin, multiply the above standard errors by 1.4.

(68 chances out of 100)

Note: Appendix table 20 pertains to averages computed from distributions allowed to vary over the entire range of days worked. Standard errors for truncated distributions (e.g., workers with less than 25 days of hired farmwork) are somewhat smaller.

Appendix table 21--Standard errors of average annual earnings from
hired farmwork 1/

(68 chances out of 100)

1/ To obtain approximate standard errors for persons of Hispanic origin, multiply the above standard errors by 1.4.

APPENDIX B: SOURCE AND RELI-
ABILITY OF ESTIMATES

Appendix table 22--Standard errors of average daily earnings from
hired farmwork 1/

(68 chances out of 100)

Average earnings from hired farm- work per day per worker	Base of average in thousands of hired farmworkers							
	50	100	250	500	750	1,000	2,500	3,000
	:	:	:	:	:	:	:	:
	<u>Dollars</u>							
Dollars:	:	:	:	:	:	:	:	:
5.00	: .60	.42	.27	.19	.17	.14	.09	.08
7.00	: 1.13	.81	.51	.36	.31	.26	.17	.15
9.00	: 1.46	1.04	.66	.50	.42	.35	.23	.20
11.00	: 1.52	1.08	.68	.53	.48	.43	.28	.25
13.00	: 1.54	1.09	.69	.55	.51	.47	.31	.27
15.00	: 1.57	1.11	.71	.56	.53	.50	.33	.29
17.00	: 1.59	1.13	.73	.57	.55	.52	.34	.30
19.00	: 1.61	1.15	.75	.59	.56	.53	.35	.31
21.00	: 1.62	1.16	.76	.60	.57	.54	.36	.31
25.00	: 1.65	1.18	.78	.61	.59	.55	.37	.32
27.00	: 1.67	1.19	.80	.62	.60	.56	.38	.32
30.00	: 1.68	1.20	.81	.63	.61	.57	.39	.33

1/ To obtain approximate standard errors for persons of Hispanic origin,
multiply the above standard errors by 1.4.

Illustration of
Use of Standard
Error Tables

Appendix table 1 of this report shows 2,652,000 persons who performed hired farmwork in 1979. Interpolation of data in appendix table 18 shows the standard error for an estimate of this size to be approximately 113,000. Thus, the chances are 68 out of 100 that the estimate would have been a figure differing from a complete census figure by less than 113,000. The chances are 95 out of 100 that the estimate would have differed from a complete census figure by less than 226,000 (twice the standard error).

Appendix table 1 also shows 34 percent of the farmworkers worked fewer than 25 days. Interpolation in appendix table 19 indicates the standard error for 34 percent of a base of 2,652,000 would be approximately 1.7 percent. Consequently, chances are 68 out of 100 that the estimated 34 percent would have differed from a complete census figure by less than 1.7 percent; the chances are 95 out of 100 that the estimate would have differed from a complete census figure by less than 3.4 percent. For example, the 95-percent confidence interval would be from 30.6 to 37.4 percent.

Standard Error of
a Difference

For a difference between two sample estimates, the standard error is approximately equal to the square root of the sum of the squared standard errors of the estimates. The estimate can be of numbers, percentages, averages, etc. This method will represent the actual standard error quite accurately for the difference between two estimates of the same characteristic in two different areas, or for the difference between separate and uncorrelated characteristics in the same area. If, however, there is a high positive correlation between the two characteristics, the formula will overestimate the true standard error.

Illustration of the
Computation of the
Standard Error of a
Difference

Appendix table 1 shows that 16 percent of farmworkers worked 250 days and over. The apparent differences between the workers who worked less than 25 days (34 percent) and those who worked 250 days and over is 18 percentage points.

Appendix table 19 shows, by interpolation, the standard error for 16 percent on a base of 2,652,000 to be approximately 1.4 percent (σ_x). The standard error for 34 percent is 1.7 percent (σ_y). To get the standard error of the estimated difference, formula (3) for the standard error of a difference is used as follows:

$$\sigma_{(x-y)} = \sqrt{\sigma_x^2 + \sigma_y^2} \quad (3)$$

Therefore, the standard error of the estimated difference is

$$2.20 = \sqrt{(1.4)^2 + (1.7)^2}$$

This means the chances are 68 out of 100 that the estimated difference based on the sample would vary by 2.20 percentage points from the difference derived using complete census figures. Since the standard error of the estimated difference (2.20 percentage points) is less than the difference between the two estimates (18 percentage points), it can be concluded with 68 percent confidence that the percentage of hired farmworkers who worked less than 25 days in 1979 is greater than the percentage of workers who worked 250 days and over in 1979.

APPENDIX C: DEFINI-
TIONS AND EXPLANA-
TIONS

Hired Farmworkers: Persons 14 years old and over in the civilian noninstitutional population of the United States at the time of the survey who did any farmwork for cash wages or salary at any time in the year, even if only for 1 day.

Farmwork for Cash Wages or Salary: 1) work done on any farm for cash wages or salary in connection with the production, harvesting, threshing, preparation for market, or delivery to market of agricultural products; 2) work done off the farm for a farmer by farmworkers, such as trips to buy feed, seeds, or fertilizer, or to handle other matters involved in running the farm business;

APPENDIX C: DEFINITIONS
AND EXPLANATIONS

3) repairs of farm buildings, machinery, etc., performed by a hired farmworker when done along with the type of work specified in (1) and (2) above; and 4) managing a farm enterprise for cash salary.

Not included as farmwork for cash wages or salary are: 1) work performed by farm operators on their own farms, or "exchange" work between farmers; 2) work done exclusively for "pay in kind"; 3) work done without pay on a family farm by a member of the farm operator's family (a small regular cash allowance is not considered as farm wages); 4) nonfarm work performed on a farm, such as the building of a farm structure, drilling a well, hauling agricultural products to market by commercial truckers, or domestic service in the home of a farmer; and 5) custom work, such as spraying, threshing, combining, etc., when a person is paid a combined rate for the use of equipment and labor.

Worker Classification: Casual workers--persons who worked less than 25 days at farmwork. Seasonal workers--persons who worked 25-149 days. Regular workers--persons who worked 150-249 days. Year-round workers--persons who worked 250 days or more. (This report's use of the terms "seasonal" and "regular" differs from that in the Census of Agriculture, where "seasonal workers" refers to persons employed on one farm for less than 150 days during the year, and "regular workers" to those employed on one farm for 150 days or more during the year.

Days of Hired Farm or Nonfarm Work: Days on which any hired farm or nonfarm work was reported. The work may have been for all or only part of a day.

Earnings from Farm or Nonfarm Work: Total cash wages or salary received for farmwork or for nonfarm work. Estimates of earnings do not include the value of perquisites received in connection with farmwork nor the value of fringe benefits received in connection with nonfarm work.

Primary Employment Status: (termed "chief activity" in reports prior to 1976): Information on the primary employment status of hired farmworkers during the year was derived from the question, "What was _____ doing most of 1979--working, keeping house, going to school, or something else?" If the initial response was "working," the kind of work the person was doing most of the year was determined. "Hired farmwork" was recorded if most of a person's work was farmwork for cash wages or salary. "Other farmwork" was recorded if most of a person's working time was spent operating a farm (as a tenant, owner, or share-cropper) or as an unpaid family farmworker. "Nonfarm work" was recorded if most of a person's working time was spent operating a nonfarm business in a profession, working without

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AND EXPLANATIONS

pay in a family nonfarm business, or working for pay (or pay in kind) in any nonfarm activity (such as manufacturing, trade, construction, domestic services, etc.). For the person who did not report "working" as the primary activity, information was obtained on what he or she was doing most of the year. "Looking for work" (unemployed) was reported for a person who spent most of the time without employment, but was actively looking for a job. "Keeping house" was reported for a person who spent most of the time doing his or her own housework. "Going to school" was reported for a person who spent most of the time during the year going to school. The category "other" was reported for a person who spent most of the time at some activity other than those named above.

Major Crop or Livestock Activity: Information on crop or livestock activity was derived from the question, "What crops or livestock did _____ work with most on the farm where he/she worked the greatest number of days in 1979?" Categories of response included grains, tobacco, cotton, other field crops, vegetables and melons, fruit or tree nuts, beef cattle, dairy, other livestock, nursery or tree crops, and other.

Migratory Status: Migratory workers are those who 1) left their home temporarily overnight to do hired farmwork in a different county within the same State or in a different State with the expectation of eventually returning home, or 2) had no usual place of residence, and did hired farmwork in two or more counties during the year. Nonmigratory workers are those who 1) did all their hired farmwork for the year in the same county in which they lived, 2) made a permanent move from one county to another during the year (even if they did hired farmwork in both counties), or 3) commuted daily across the county or State line to work and returned home each night.

Distance Traveled: Determined by asking the respondent "What was the longest distance away from home that _____ traveled while doing farmwork for cash wages?" Interviewers were instructed to record the mileage traveled by the workers from the time they left their homesite until the time they reached the place that was the longest distance away from their home. Distance traveled does not include miles to return to homesite.

Age: Based on the person's age at his or her last birthday.

Education Completed: Derived from the combination of answers to questions concerning the highest grade of school attended by the person and whether or not that grade was finished. Questions on educational attainment apply only to progress in "regular" schools. Such schools include graded public, private, and parochial elementary and high schools, whether day schools or night

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AND EXPLANATIONS

schools. Thus, regular schooling is that which may advance a person toward an elementary school certificate or a high school diploma, or a college, university, or professional school degree. Schooling in other than regular schools was counted only if the credits obtained were regarded as transferable to a school in the regular school system.

Racial/ethnic Group: Refers to division of the population into three mutually exclusive groups--Whites, Hispanics, and Blacks and Others. "Ethnic origin" was determined for this report by asking respondents their origin or descent. The answer to this question may produce results somewhat different from results based on inferred ethnic identification using such characteristics as country of birth of the person or his or her parents, language spoken in the home, or surname. Hispanic includes all Mexican, Mexicano, Puerto Rican, Cuban, Central or South American, or other Hispanic. White refers to White persons other than those of Hispanic origin. Black and Other includes Blacks and other groups such as Indians, Chinese, Japanese, and others not of Hispanic origin. For simplicity of presentation, these groups are termed Whites, Hispanics, and Blacks and Others.

Region: Hired farmworker data are presented in the report by two different regional aggregations of States, the four Census regions and the 10 Standard Federal Regions.

States included in each of the four Census regions are as follows: Northeast--Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, Pennsylvania, and New Jersey; North Central--Ohio, Indiana, Illinois, Wisconsin, Michigan, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas; South--Maryland, Delaware, District of Columbia, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Florida, Kentucky, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, Oklahoma, and Texas; and West--Montana, Wyoming, Idaho, Colorado, New Mexico, Utah, Arizona, Nevada, Washington, Oregon, California, Hawaii, and Alaska.

The States included in each of the 10 Standard Federal Regions are as follows: Region I--Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; Region II--New Jersey and New York; Region III--Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia; Region IV--Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and Tennessee; Region V--Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin;

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Region VI--Arkansas, Louisiana, New Mexico, Oklahoma, and Texas;
Region VII--Iowa, Kansas, Missouri, Nebraska; Region VIII--
Colorado, Montana, North Dakota, South Dakota, Utah, and
Wyoming; Region IX--Arizona, California, Hawaii, and Nevada;
Region X--Alaska, Idaho, Oregon, and Washington.

Residence: Based on the classification of the place in which the worker lived at the time of the survey. In the CPS, hired farmworkers were classified as living on farms (farm residents) if they lived in a rural territory on places of 10 or more acres of land from which at least \$50 worth of agricultural products were sold in the reporting year. Also, included as farm residents are persons who lived on places of less than 10 acres if as much as \$250 worth of agricultural products were sold from the place in the reporting year. Nonfarm-resident workers lived in urban places, rural towns or villages, or in the open country on places that did not meet the criteria for farm classification. In 1975, a new farm definition which eliminated the acreage requirement and set the sales cutoff at \$1,000 was introduced into the CPS. However, for purposes of comparability, residence data in this report are based on the old definition.

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